

**City of Columbus  
Department of Public Utilities**

**Annual SSO and WIB Report**

**2010**



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## I. Introduction/Purpose of Report

The City of Columbus (City) and the State of Ohio entered into a consent order in August of 2002, for the resolution of Sanitary Sewer Overflow (SSO) - related concerns for the City's sanitary sewer system. In general, the Consent Order requires the City to develop and implement a Capacity, Maintenance, Operations and Management (CMOM) program. This program will address providing adequate capacity in the collection system, taking all feasible steps to address SSOs, and providing notification for overflow events.

Per the consent order, the City shall prepare an annual report of all SSOs events and Water-In-Basement (WIBs) occurrences from its sewers and from its maintenance contract areas. This is the ninth annual report to be submitted to the Ohio EPA as required by the Consent Order, Section VI, paragraph 21. This report provides the required information collected by the City in 2010.

### **Highlights from 2010 include the following:**

- ❖ The City physically eliminated one Design Sanitary Relief (DSR) location.
- ❖ One discharge location no longer has a DSR tributary to it.
- ❖ Modifications to DSR 83, the City's most active overflow location, along with a revised operating strategy at the Whittier Street Storm Tanks, resulted in no overflows from this location after July.
- ❖ The City completed forty-six (46) sewersheds and has sixteen (16) others in progress as part of the expanded preventive maintenance cleaning program started in 2005.
- ❖ As part of the City's Project Dry Basement program, thirty (30) backwater devices were installed at an approximate cost of \$108,000.

## II. Monitoring and Reporting of Sanitary Sewer Overflows

In August of 2002, the Division of Sewerage and Drainage (DOSD) began monitoring Designed Sanitary Relief (DSR) manholes/structures using chalk and blocks to indicate overflow activation. In addition to scheduled routes of DSR inspections, the DOSD initiated a process for internal reporting of overflows from the collection system at structures other than DSRs. This process is outlined in the Overflow Emergency Response and Notification Plan (OERNP) originally submitted to OEPA in December of 2003 and most recently revised and resubmitted to OEPA in July of 2007. This latest revision and resubmission was to meet a requirement of both Jackson Pike's and Southerly's WWTPs NPDES permits. All known overflow occurrences are reported to OEPA on a monthly basis in accordance with the Consent Order and the WWTP's NPDES Permits.

In addition to the chalk and block method of monitoring activity at the DSRs, DOSD continues to maintain “permanent” flow meters at four sites. One meter is located at the overflow weir of DSR 83, near the Whittier Street Storm Tanks and the others are located at DSR 244 at Roads End, at DSR 335 at the gauging station in the Park of Roses and at DSR 156 at the alley north of Hill Avenue and west of Perry Street. In addition, “temporary” flow meters were installed at several DSRs in conjunction with Priority Area Studies to evaluate flow conditions.

As defined in Section X Paragraph 31 of the Consent Order, multiple overflow occurrences at an individual location within a 24-hour period are considered a single event. For consistency with the NPDES permit language, the 24-hour period has been defined as midnight to midnight. Therefore, overflow occurrences that begin prior to midnight and continue until the next day are reported as two events.

Appendix A shows the status of each DSR since the consent order was signed in 2002.

### **III. Elimination of Designed Sanitary Relief (DSR) locations in 2010**

One (1) location, DSR 948, r/o 3511 Penfield Road, was removed from the monitoring list of DSR and chronic overflow locations in 2010. This overflow was on the wetwell of a pump station that had been abandoned many years ago. After installing a flow meter at the site to confirm that the overflow was no longer needed, the site was removed by our Sewer Maintenance Operations Center as part of their normal work. Although no overflow events have been reported at this site, the flow monitoring confirmed our suspicions that storm water was back flowing into the sanitary sewer collection system. This influx of stormwater is the likely cause of WIBs reported in this neighborhood and no WIBs have been reported since the DSR was removed. Appendix A contains the CIP# or work order number associated with the removal work and the date of completion.

As a result of the work to remove this DSR, one discharge location listed in Attachment D of the Signage Action Plan (part of the OERNP) no longer has DSRs tributary to it. Beginning in 2011, this site will no longer be included in the public notification process outlined in the OERNP.

### **IV. Activities Performed To Reduce the Occurrence of SSOs and WIB**

In addition to the recommendations for elimination of DSR locations outlined in the Wet Weather Management Plan (WWMP), the DOSD also utilizes the Fats, Oils and Grease (FOG) Control Program and a preventive maintenance cleaning program aimed at cleaning all sewers less than 36 inches in diameter on a systematic basis to reduce the number of occurrences of SSOs and WIBs. For sewers greater than 36 inches in diameter, the condition assessment and cleaning prioritization plan implemented in 2007 continued through 2010.

As part of the FOG Program, six (6) referrals were made to the Industrial Waste Pretreatment Section (IWPS) for investigation and enforcement of discharge violations for grease in 2010. In response to the referrals, eight (8), Food Service Establishments (FSEs) were inspected.

For all of 2010, the IWPS conducted approximately 1150 FOG inspections of FSEs to verify compliance with their FOG BMPs.

The FOG Program also established a procedure to educate residential homeowners and Food Service Establishments (FSEs) on the importance of properly discharging waste grease. Last year over 2,100 door hangers were distributed to residents in areas near reported FOG problems.

2010 was the fifth year when all aspects of the FOG Program were in effect for the entire year, and five (5) of the dry weather overflows were associated with grease blockages. This is a drop in both the number and percentage of total dry weather overflows (caused by grease) as compared to 2009.

The sewersheds based preventive maintenance program initiated in late 2005 continues with the completion of forty-six (46) sewersheds through 2010. This program prioritized and developed a cleaning schedule for the collection system based on the number of overflow events and water in basement reports and then weighted to reflect the size of the sewersheds to develop a priority sequence. Currently sixteen (16) additional sewersheds are in various stages of completion.

Sewersheds with no documented overflows or WIBs will have a percentage of the system undergo CCTV inspection to determine whether there is an actual need to clean the sewers.

DOSD also has initiated or completed projects in ten of the priority areas identified in the Wet Weather Management Plan (WWMP) to provide solutions to mitigate overflows at localized DSRs that are not part of the Large Scale System Strategy (LSSS). Listed below in **Table 1** is a brief status summary of the priority area projects identified in the WWMP.

**Table 1**

Priority Area	Status/Comments
Northwest Alum Creek	Final investigations and modeling underway on the I&I study – priority area related projects on schedule or completed.
Sullivant Avenue	Lining projects completed - I&I study contracted in late 2010.
Preston Road	DSR removal completed – priority area recommendations completed.
Early Ditch	Final report preparation for the I&I study completed – Asset Management and Stormwater additions in progress.
Miller Kelton	All field investigations, CCTV/cleaning, and modeling complete for I&I Study.

Barthman/Parsons	Final report preparation for the I&I study completed – Asset Management additions in progress.
West Fifth Avenue	Final report preparation for the I&I study completed - Asset Management additions in progress.
Clintonville	All scheduled WWMP projects on schedule.
Cleveland/Ferris	Now part of the “Northwest Alum Creek” I&I project.
Plum Ridge	Contract initiated in '10 - CCTV and depressed driveway investigation complete - Modeling and public-source work in progress.
Winslow	DSR removal completed – priority area recommendations completed.

In addition, the James-Livingston priority area, where the primary focus is WIB reduction, the final report has been completed pending additions from Asset Management. As indicated in Section III above, the removal of DSR 948, r/o 3511 Penfield Road, appears to have stopped the occurrence of reported WIBs in this neighborhood by preventing storm water from inundating the sanitary sewer collection system.

The Asset Management information is a methodology to prioritize the recommended follow-up projects from all of the priority area studies simultaneously. This way the limited funds available on an annual basis can be used for the projects that will have the largest impact first.

DOSD has also initiated a private lateral Infiltration and Inflow (I/I) source removal pilot project in Clintonville that currently is in the construction phase. The original funds and contingency money for this project has allowed for 120 of the 230 (52%) eligible homes to be completed. With increased public interest, DOSD sought a contract modification for additional funds to include an additional 70 homes in the project. When the additional homes are completed approximately 83% of the eligible homes will be part of the program. We are continuing to collect flow monitoring information to evaluate the program when all of the installations are completed.

For sewers greater than 36 inches in diameter, DOSD has initiated the inspection program based on the cleaning prioritization plan developed in 2006. The cleaning prioritization plan included an assessment that used 25 factors to evaluate the likelihood and consequence of failure. For this purpose failure is defined as ‘not meeting a level of service’ and not just a physical pipe problem.

A summary of the work completed for this program is included in **Table 2** below:

**Table 2**

Project Name	Data Collection	Cleaning and Rehabilitation	
		Recommendations	Work Status
Olentangy Main			
Phase A	completed	developed	completed
Phase B	completed	developed	to be bid in '11
Scioto Main/West Side Relief	completed	developed	to be bid in '11
Alum Creek North/Alum Creek SubTrunk	completed	developed	to be bid in '12
Alum Creek Middle/Alum Creek Interceptor	awarded, not started		

At DSR 83, east of Whittier Street Storm Tanks (Deshler Tunnel/Franklin Main), DOSD made temporary modifications to the structure similar to the permanent modifications that will be completed in 2011. This work along with a revised operating strategy at the Whittier Street Storm Tanks resulted in no overflows from this site after July.

In 2010, one location, 2480 Jackson Pike, accounted for 12 of the 29 (41%) dry weather overflows reported for the year. This location is just downstream from the relocated Truck Waste Disposal Site (TWDS) which accepts non-hazardous wastes from septic tanks, holding tanks, grease traps, etc. To minimize and mitigate dry weather overflows at this location, DOSD cleans the downstream sewer weekly on a scheduled basis when the facility is closed. In addition, DOSD continues to inspect the manholes downstream from this facility on a regular basis to assess the need for cleaning in between the scheduled cleaning time.

The relocated TWDS is part of a joint public/private development project, and DOSD continues to work with our partner to upgrade and improve the facility. In late 2010 a grease digester was installed and a portion of the grease loads delivered to the facility are now being diverted to the digester. Additional equipment designed to screen and remove large debris from the septic loads has been ordered and is expected to become operational in 2011. With the grease and debris removed from the facility waste stream, it is expected that the overflows due to sewer blockages downstream of this facility will stop in the coming year.

#### V. Summary of Sanitary Sewer Overflows Observed in 2010

The City continues to report SSOs from its sewers and maintenance contract areas on a monthly basis in accordance with Section VI, paragraph 20 of the Consent Order. However, during preparation of this report errors in the overflow information previously submitted on the monthly reports for two sites were discovered. On the June report, a data entry error caused by transposing the numbers for the site ID caused an overflow on June 26<sup>th</sup> to be attributed to DSR 339 (MH alley w/o Cleveland & n/o Ferris) instead of permitted CSO 393. Also for DSR 339, it was discovered that the flow monitoring data had not been collected for several months and when the data was collected recently, overflows from this site on June 27<sup>th</sup>, 28<sup>th</sup> and July 12<sup>th</sup>

were identified. In addition, at DSR 337 (Richards & Granden) an overflow volume was reported for the August 11<sup>th</sup> event that was incorrect. This report and the appropriate appendices include the corrected overflow information for both of these sites. A summary list of the wet weather overflow events, based on the reports described in Section II, is located in Appendix B.

The City observed a total of 152 known SSO events during wet weather at 42 different locations throughout the collection system in 2010. These numbers represent a 7% decrease in the number of events and a 5% decrease in the number of locations from the 2009 numbers. All of these SSOs occurred at design relief points (DSRs) within the system during significant rainfall events. No wet weather overflow events were reported from non-DSR locations in 2010

2010 is the second consecutive year for the total annual rainfall to be below the annual average with 2.22 inches below normal as measured at Port Columbus. Despite the annual total rainfall being below average, three months experienced significantly higher monthly average rainfall, with June and July each recording over 1.3 inches and November recording 1.15 inches above average.

Appendix C contains monthly rainfall data collected by the City during 2010.

The DOSD identified 29 sanitary sewer overflow events from the collection system in dry weather from 18 locations. From these numbers, one location, 2480 Jackson Pike, accounts for 12 of the events. Without this location and the associated events the numbers drop to 17 events at 17 locations, which is almost identical to the 2009 numbers.

In each instance, regardless of the circumstances, DOSD mobilized personnel to resolve the situation as outlined in the OERNP. Each occurrence was caused by a blockage, usually due to grease, debris, roots or some combination of these. In one case the debris came from vandalism and another was caused by a sewer collapse.

Appendix D contains a summary of all identified dry weather overflows.

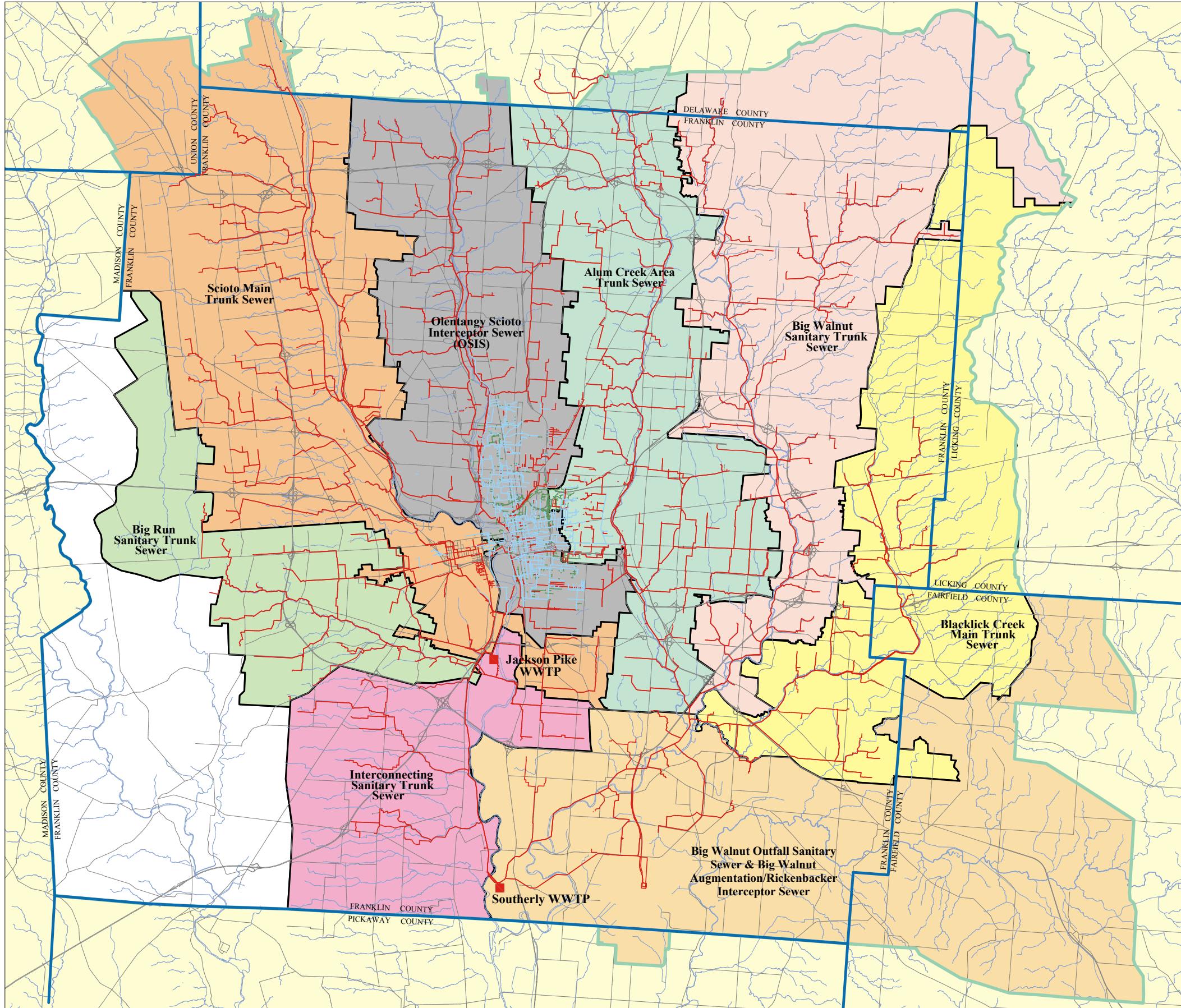
Receiving (named) waterways downstream from the SSO occurrences include the following:

Adena Brook/Indian Spring Run	Alum Creek
Big Walnut Creek	Bliss Run
Dry Run	Early Ditch
Olentangy River	Scioto River
Walhalla Ravine	Whims Ditch

The City of Columbus sewer service area is broken down into eight sub-basins as shown in Exhibit 1. These sub-basins represent the areas served by major interceptors and are referred to as follows:

- Alum Creek Area Trunk Sewer
- Big Run Sanitary Trunk Sewer
- Big Walnut Outfall Augmentation/Rickenbacker Interceptor Sewer
- Big Walnut Sanitary Trunk Sewer
- Blacklick Creek Main Trunk Sewer
- Interconnecting Sanitary Trunk Sewer
- Olentangy Scioto Interceptor Sewer (OSIS)
- Scioto Main Trunk Sewer

# City of Columbus, OH Sewer Subbasins



## Legend

- Facilities Boundary
- County Line
- Interceptor Boundary
- Sanitary Sewer Line
- Storm Sewer Line
- Combined Sewer Line

## Note:

- Includes Big Walnut Augmentation Rickenbacker Interceptor Sewer which is under construction to be completed by 2009.



0 8,000 16,000 32,000  
Scale 1" = 16,000'

**Table 3** summarizes the total overflows by sub-basin, including total wet weather and dry weather events.

**Table 3**

Sub-basin	Total SSOs	Dry Weather	Wet Weather
Alum Creek Area Trunk Sewer	27	5	22
Big Run Sanitary Trunk Sewer	22	13	9
Big Walnut Outfall Interceptor Sewer	0	0	0
Big Walnut Sanitary Trunk Sewer	2	1	1
Blacklick Creek Main Trunk Sewer	1	1	0
Scioto Main Trunk Sewer	8	3	5
Olentangy Scioto Interceptor Sewer	121	6	115
<b>Totals</b>	<b>181</b>	<b>29</b>	<b>152</b>

The most active overflow location in 2010 was at the DSR east of the Whittier Street Storm Tanks (Deshler Tunnel/Franklin Main) (DSR 83). This overflow activated 26 times and discharged storm-related flows to the Scioto River at the same location that the Whittier Street Storm Tanks discharge. A revised operating strategy for the Whittier Street Storm Tanks that was implemented in August coupled with a temporary weir raising later in the year effectively stopped all overflows from this site for the remainder of the year.

The second most active location was the DSR 337, Richards and Granden, discharging 10 times during periods of wet-weather. Three sites tied for the third highest number of overflows reported in 2010, DSR 105 (Third Ave. and Oxley (west)), DSR 915 (North Star, n/o Presidential), and DSR 305 (Lakeview and the alley west of Cleveland) each with 8 reported events. DSRs 83 and 337 will be mitigated through Large Scale System Strategies (LSSS) projects as outlined in the WWMP. DSRs 105 and 915 are in the Fifth Avenue priority study area and DSR 305 is in the Northwest Alum Creek priority study area, and options for mitigation at these sites will be offered at the conclusion of the ongoing studies.

The months of June and July combined to account for 56% of the reported wet weather overflows for 2010 when 11.39 inches of rain (2.69 inches above normal) was recorded at the Port Columbus Airport. The most active period of overflows was during the period from July 9<sup>th</sup> through 18<sup>th</sup>, when 43 events, or 29% of the annual total and over 5 inches of rain was recorded.

The second most active period for overflows was in late June when 16 events, or 11% of the annual total occurred. Over a three day period, June 26, 27 and 28, 1.81 inches of rain was recorded at the Port Columbus Airport.

The occurrence of these most active overflows is principally a capacity-related issue. These and other capacity issues have been analyzed as part of the City's System Evaluation and Capacity

Assurance Plan (SECAP) efforts and was submitted as part of the WWMP to the Ohio EPA in 2005. With the January 2009 approval of the WWMP, the DOSD will continue to implement the schedule of projects outlined in the plan.

## VI. Assumptions Used to Estimate Overflow Volume at Monitored DSRs

The DOSD continues to maintain two flow monitoring sites leftover from the calibration and validation process of the Sewer System Capacity Model (SSCM) to facilitate the overflow documentation process. These are the overflow weir of DSR 83, near the Whittier Street Storm Tanks, and DSR 244 at Roads End. In 2006 a flowmeter was installed at DSR 335 at the gauging station in the Park of Roses in conjunction with the Ohio State University effort to evaluate biofilm reactors as a possible mitigation strategy for SSOs.

A flow meter was installed at DSR 156 at the alley north of Hill Avenue and west of Perry Street in 2009 to document overflows at this location and will remain in place indefinitely. In addition, “temporary” flow meters were installed at several DSRs in conjunction with Priority Area Studies to evaluate flow conditions.

The electronic flow meters measure the level in the manhole and are used to indicate an overflow event at a critical elevation. (e.g. overflow invert elevation). Based on the depth of sewage above the invert of the overflow pipe the overflow volume can be estimated using Manning’s equation in most cases. It is important to understand that this is an estimate, based on ideal hydraulic conditions at the location.

These calculations are based on several assumptions that might affect the overflow volume calculations. Examples of these assumptions are as follows:

1. There is a free outfall at the discharge point. In locations where the discharge point is at or near the elevation of the storm sewer or receiving stream, the calculations will not apply due to potential hydraulic restrictions at the discharge point.
2. Manning friction coefficient and weir constants are valid.
3. Actual pipe slopes match the pipe slopes given on the Record Plans
4. Overflow pipe slopes are not severe. This would affect the depth of flow used in the calculations
5. Recorded data is valid with no error in meter electronics
6. There is no impact from flow turbulence in the recorded data.

Where it is suspected that these assumed conditions do not exist, the event will be designated with “NA” in Appendix E.

Appendix E shows a detailed list of flow monitored events over 1000 gallons.

Appendix F shows the summary of flow monitored events less than 1000 gallons.

Appendix G shows the stipulated penalties for the identified sanitary sewer overflows as defined in the Consent Order Section X, paragraphs 31a & 31b.

## VII. Summary of Water-In-Basement Occurrences Reported in 2010

The City has determined that 142 Water-In-Basement (WIBs) occurrences reported in 2010 were attributable to problems in the public sewer.

A summary of WIBs by subbasin is as follows:

Alum Creek Area Trunk Sewer	=	43
Olentangy Scioto Interceptor Sewer	=	62
Scioto Main Trunk Sewer	=	14
Big Run Sanitary Trunk Sewer	=	13
Big Walnut Sanitary Trunk Sewer	=	8
Blacklick Creek Main Trunk Sewer	=	2

Approximately 74% of the WIB occurrences were reported in the Alum Creek and OSIS sub-basins during periods of wet weather when overflows were activated along the major interceptor sewers. The period with the most reports of WIBs occurred on July 12<sup>th</sup> and 13<sup>th</sup>, with 11 reports through all the sub-basins. This period accounted for 8% of the reported WIBs for the year during when 2.93 inches of rain fell in the area. The period with the second most WIBs occurred on January 24<sup>th</sup> and 25<sup>th</sup> when the ground saturated after a snow melt coupled with 1.09 inches of rain was recorded. This period accounted for 9 reported WIBs or 6% of the annual total.

Other occurrences of WIBs were caused by roots and grease built up in the sewers. The City's Sewer Maintenance crews addressed these problems by cutting roots and cleaning debris from the sewer lines. Sewer segments exhibiting major root intrusion were added to the City's Root Control Program. When the cause of the blockage was determined to be due to grease, the locations were reported to the Division's Industrial Waste Pretreatment Section (IWPS) for investigation per the FOG Control Program.

To protect homes that experience repeat basement flooding, the City voluntarily instituted "Project Dry Basement" in 2004. Under this program, the City pays for the purchase and installation of a back water prevention device on the house lateral. In 2010, 30 devices were installed at a cost of approximately \$108,000. To date, the City has 662 homes in the program and has expended over three million dollars to install the backwater prevention devices.

## VIII. Report Public Notification

In 2004, the DOSD developed a web-based GIS map showing SSO discharge locations and the activity information associated with that point. This web site is accessible to the public through the Division's web page or directly at <http://gis.columbus.gov/ssocso/>. The availability of this web site assists in the compliance with the requirement for public notification of overflow events outlined in the Consent Order.

As required by the Consent Order, the City will make the public aware of this annual report by issuing a press release to the local media of its availability and by making the report available on the Division of Sewerage and Drainage's web site. Interested parties may download and print this report from the web site address of <http://utilities.columbus.gov/NewsPublications.htm> available under the News Releases & Publications area of the site. This report will also be available at the Division's 1250 Fairwood Avenue offices or by mail by calling (614) 645-7176.

# Appendix A

## DSR Status Summary

City of Columbus  
DSR Status Summary - 2010

Reference Number	Location	Sewer Sub-Basin	DSR Eliminated	DSR Mitigated*	CIP/work order number	Date
83	e/o Whittier St. Storm Tanks	OSIS				
95	MH Sullivant Ave. & e/o Dana Ave.	Scioto Main				
96	MH alley n/o Broad St. & e/o Glenwood	Scioto Main				
103	MH s/s of Third Ave., 290 ft. w/o Olentangy River Rd.	OSIS				
105	MH Third Ave. & Oxley (west)	OSIS				
107	MH f/o 814 W. Third Ave.	OSIS				
109	MH s/s of Third Ave., 490 ft. w/o Olentangy River Rd.	OSIS				
110	MH Third Ave. & Oxley (east)	OSIS				
111	MH s/s of Third Ave., 690 ft. w/o Olentangy River Rd.	OSIS				
132	MH Columbus & Studer	OSIS	x		cip 631	7/2006
133	MH Columbus & Linwood	OSIS	x		cip 631	7/2006
146	MH Third & Morning	OSIS				
147	MH alley n/o King & w/o Star Ave.	OSIS				
148	MH King Ave. & alley w/o Virginia	OSIS				
149	MH Fifth Ave. & North Star	OSIS				
150	MH King & North Star	OSIS				
151	MH Meadow Rd. & Third Ave.	OSIS				
154	MH Third Ave. & Virginia	OSIS				
156	MH alley n/o Hill Ave. w/o Perry St.	OSIS				
157	MH Fifth Ave. & Eastview/Kenny	OSIS				
177	MH Cole St. & alley w/o Seymour	Alum Creek				
179	MH Cole & Seymour	Alum Creek				
181	MH Cole & alley e/o Seymour	Alum Creek				
185	MH Gault & alley w/o Kelton	Alum Creek				
188	MH 2nd alley w/o Seymour, 80' n/o Gault	Alum Creek				
189	MH Cole & Bulen	Alum Creek				
190	MH n/s Gault & alley w/o Lilley	Alum Creek				
192	MH Columbus & alley w/o Kelton	OSIS	x		cip 631	7/2006
193	MH Gault & alley e/o Kimball	Alum Creek				
194	MH Columbus & Miller	OSIS	x		cip 631	7/2006
198	MH Bulen & Gault	OSIS	x		cip 631	4/2004
199	MH Gault & alley w/o Miller	Alum Creek				
201	MH Oakwood & Lawrence	OSIS				
203	MH Lockbourne & Lawrence	OSIS				
205	MH Bruck & alley n/o Hosack	OSIS				
206	MH Bruck & Reeb	OSIS				
207	MH Parsons & Kian Avenue	OSIS				

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DSR Status Summary - 2010

Reference Number	Location	Sewer Sub-Basin	DSR Eliminated	DSR Mitigated*	CIP/work order number	Date
208	MH Ninth & alley n/o Hosack	OSIS				
210	MH Bruck & Woodrow	OSIS				
211	MH e/s of Parsons, front of 1954 Parsons	OSIS				
213	MH Hosack & Fourth	OSIS				
225	Dublin Rd. pump station (SA 6)	OSIS	x		N/A	2004
241	MH Preston Rd. & Fair Ave.	Alum Creek	x		wo 0702016	1/2007
244	Regulator at Roads End	Alum Creek				
246	Castle Rd. pump station (SA 2)	OSIS				
250	MH Hague Ave. n/o Mound St.	Big Run				
252	MH Wicklow & alley w/o Powell Ave.	Scioto Main				
254	MH alley n/o Sullivant Ave. e/o Roys Ave.	Scioto Main				
256	MH Binns Blvd. & alley s/o Palmetto St.	Big Run				
263	MH Velma & alley s/o Hudson	OSIS	x		cip 647	10/2004
264	MH Howey & Maynard	OSIS	x		cip 653	10/2004
266	MH Howey & Briarwood	OSIS	x		cip 647	10/2004
267	MH Akola & alley w/o Atwood Terrace	OSIS	x		cip 647	9/2004
271	MH Azelda & alley n/o Hudson	OSIS	x		cip 647	10/2004
274	MH Republic & Ontario	OSIS	x		cip 647	10/2004
275	MH Hamilton & alley n/o Duxberry	OSIS	x		cip 653	10/2004
276	MH Briarwood & alley w/o McGuffey	OSIS	x		cip 647	10/2004
279	MH Hudson & Parkwood	Alum Creek	x		cip 726	10/2009
284	MH n/o Pacemont at Olentangy River on 8 " sanitary	OSIS				
285	MH Midgard & alley e/o Indianola	OSIS				
288	MH e/o Olentangy St. & Indianola	OSIS	x		cip 671	4/2008
291	MH Osceola & alley s/o Weber	OSIS	x		cip 648	8/2005
301	MH Alamo & alley w/o Osceola	OSIS	x		cip 658	3/2004
303	MH Akola & alley e/o Homecroft	OSIS	x		cip 647	10/2004
304	MH Alamo & alley w/o Pontiac	OSIS	x		cip 648	8/2005
305	MH Lakeview & alley w/o Cleveland Ave.	Alum Creek				
306	MH Bremen & alley n/o Melrose	Alum Creek		x	cip 726	8/2009
307	MH Bremen & alley n/o Weber	Alum Creek		x	cip 726	9/2009
308	MH Minnesota & Hamilton	OSIS	x		cip 655	8/2005
310	MH e/o McGuffey & Aberdeen	OSIS	x		cip 655	8/2005
312	MH alley e/o Bremen & Brighton Rd.	Alum Creek				
314	MH s/s Weber, alley w/o Cleveland	Alum Creek		x	cip 726	9/2009
315	MH Eddystone & Suwanee	Alum Creek				
317	MH Aberdeen & Parkwood	Alum Creek				

City of Columbus  
DSR Status Summary - 2010

Reference Number	Location	Sewer Sub-Basin	DSR Eliminated	DSR Mitigated*	CIP/work order number	Date
322	Williams Rd. pump station (SA 1)	OSIS				
323	MH Webster Pk. & Olentangy Blvd.	OSIS				
326	MH Olentangy Blvd. & Montrose Way	OSIS				
328	MH Como & High	OSIS				
329	MH e/s Indianola & alley n/o East North Broadway	OSIS				
330	MH Pauline & Atwood Terrace	OSIS	x		cip 651	1/2007
335	Gauging station in Park of Roses	OSIS				
337	MH Richards & Granden	OSIS				
338	MH Northridge & Atwood Terrace	OSIS	x		cip 651	1/2007
339	MH alley w/o Cleveland & n/o Ferris	Alum Creek				
346	MH 200' w/o Rustic Pl. & Olentangy Blvd.	OSIS				
349	MH alley e/o High & s/o Schreyer Pl.	OSIS				
350	MH Wetmore & alley e/o High St.	OSIS	x		cip 670	7/2007
351	MH r/o 4895 Olentangy Blvd., w/o Olentangy Blvd. & n/o	OSIS				
352	MH n/s of Weisheimer & Starrett	OSIS				
360	MH s/o Rathbone, e/o Delawanda	OSIS				
364	MH Plum Ridge n/o Lornaberry	Big Walnut				
368	MH alley e/o High, s/o Lincoln	OSIS				
380	MH Lexington & alley n/o Hudson	OSIS	x		cip 654	2005
381	MH Maynard & Velma	OSIS	x		cip 647	10/2004
399	Structure r/o 2250 McKinley	Scioto Main				
532	MH f/o 2145 Winslow	Alum Creek	x		wo 0917302	10/2009
576	MH f/o 320 Kanawha	OSIS	x		cip 681	6/26/08
655	MH Seymour & Livingston	OSIS	x		cip 635	7/2006
873	MH S.R. 315 N.B. off ramp to Henderson	OSIS				
898	MH California & High	OSIS				
915	MH in North Star, n/o Presidential	OSIS				
948	r/o 3511 Penfield	Big Walnut	x		wo 1004541	5/2010
952	Hudson & alley w/o Parkwood	Alum Creek		x	cip 726	10/2009

## Appendix B

### Annual Summary of Wet Weather Overflows

City of Columbus  
Annual Summary of Wet Weather Overflows - 2010

Location	Reference Number	Estimated Date and Time - if known	Receiving Water - if any	Sewer Component	Sewer Sub-Basin
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	1/24 7:45 to 1/24 10:45	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	1/24 17:15 to 1/24 20:45	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	1/24 23:00 to 1/24 23:45	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	1/25 0:00 to 1/25 2:00	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	2/22 22:15 to 2/22 23:55	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	2/23 0:00 to 2/23 1:00	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	3/13 10:45 to 3/13 23:55	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	3/14 0:00 to 3/14 22:45	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	3/25 21:45 to 3/25 23:55	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	3/26 0:00 to 3/26 4:00	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	3/26 5:45 to 3/26 13:00	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	4/5 22:00 to 4/5 22:30	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	4/25 0:45 to 4/25 3:00	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	4/26 8:00 to 4/26 11:15	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	5/11 8:30 to 5/11 14:30	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	5/21 23:00 to 5/21 23:55	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	5/22 0:00 to 5/22 4:00	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/2 21:30 to 6/2 23:55	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/3 0:00 to 6/3 4:00	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/5 16:45 to 6/5 18:45	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/6 8:00 to 6/6 10:15	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/6 15:30 to 6/6 17:45	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/9 7:45 to 6/9 9:45	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/9 11:45 to 6/9 16:30	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/11 12:45 to 6/11 14:00	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/26 23:00 to 6/26 23:55	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/27 0:00 to 6/27 1:15	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/27 22:45 to 6/27 23:55	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/28 0:00 to 6/28 5:00	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	7/8 21:45 to 7/8 22:15	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	7/9 11:30 to 7/9 12:00	Scioto River	Design Relief	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	7/16 6:00 to 7/16 7:00	Scioto River	Design Relief	OSIS
MH Sullivant Ave. & e/o Dana Ave.	95	at least once between 5/27 and 6/3	Scioto River	Design Relief	Scioto Main
MH Sullivant Ave. & e/o Dana Ave.	95	at least once between 7/15 and 7/22	Scioto River	Design Relief	Scioto Main
MH s/s of Third Ave., 290 ft. w/o Olentangy River Rd.	103	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH Third Ave. & Oxley (west)	105	at least once between 3/11 and 3/18	Olentangy River	Design Relief	OSIS
MH Third Ave. & Oxley (west)	105	at least once between 5/6 and 5/13	Olentangy River	Design Relief	OSIS
MH Third Ave. & Oxley (west)	105	at least once between 5/20 and 5/27	Olentangy River	Design Relief	OSIS
MH Third Ave. & Oxley (west)	105	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH Third Ave. & Oxley (west)	105	at least once between 7/15 and 7/22	Olentangy River	Design Relief	OSIS
MH Third Ave. & Oxley (west)	105	at least once between 7/22 and 7/29	Olentangy River	Design Relief	OSIS
MH Third Ave. & Oxley (west)	105	at least once between 7/29 and 8/5	Olentangy River	Design Relief	OSIS
MH Third Ave. & Oxley (west)	105	at least once between 8/19 and 8/26	Olentangy River	Design Relief	OSIS
MH f/o 814 W. Third Ave.	107	at least once between 6/23 and 7/1	Olentangy River	Design Relief	OSIS

City of Columbus  
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Location	Reference Number	Estimated Date and Time - if known	Receiving Water - if any	Sewer Component	Sewer Sub-Basin
MH f/o 814 W. Third Ave.	107	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH f/o 814 W. Third Ave.	107	at least once between 7/15 and 7/22	Olentangy River	Design Relief	OSIS
MH f/o 814 W. Third Ave.	107	at least once between 7/29 and 8/5	Olentangy River	Design Relief	OSIS
MH f/o 814 W. Third Ave.	107	at least once between 8/5 and 8/12	Olentangy River	Design Relief	OSIS
MH f/o 814 W. Third Ave.	107	at least once between 8/19 and 8/26	Olentangy River	Design Relief	OSIS
MH f/o 814 W. Third Ave.	107	at least once between 10/14 and 10/21	Olentangy River	Design Relief	OSIS
MH s/s of Third Ave., 490 ft. w/o Olentangy River Rd.	109	at least once between 3/11 and 3/18	Olentangy River	Design Relief	OSIS
MH s/s of Third Ave., 490 ft. w/o Olentangy River Rd.	109	at least once between 5/27 and 6/3	Olentangy River	Design Relief	OSIS
MH s/s of Third Ave., 490 ft. w/o Olentangy River Rd.	109	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH s/s of Third Ave., 490 ft. w/o Olentangy River Rd.	109	at least once between 7/15 and 7/22	Olentangy River	Design Relief	OSIS
MH s/s of Third Ave., 490 ft. w/o Olentangy River Rd.	109	at least once between 8/12 and 8/19	Olentangy River	Design Relief	OSIS
MH s/s of Third Ave., 490 ft. w/o Olentangy River Rd.	109	at least once between 10/21 and 10/28	Olentangy River	Design Relief	OSIS
MH Third Ave. & Oxley (east)	110	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH Third Ave. & Oxley (east)	110	at least once between 8/12 and 8/19	Olentangy River	Design Relief	OSIS
MH s/s of Third Ave., 690 ft. w/o Olentangy River Rd.	111	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH s/s of Third Ave., 690 ft. w/o Olentangy River Rd.	111	at least once between 10/21 and 10/28	Olentangy River	Design Relief	OSIS
MH Third & Morning	146	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH alley n/o King & w/o Star Ave.	147	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH King Ave. & alley w/o Virginia	148	at least once between 8/5 and 8/12	Olentangy River	Design Relief	OSIS
MH King Ave. & alley w/o Virginia	148	at least once between 8/19 and 8/26	Olentangy River	Design Relief	OSIS
MH King Ave. & alley w/o Virginia	148	at least once between 10/21 and 10/28	Olentangy River	Design Relief	OSIS
MH Fifth Ave. & North Star	149	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH King & North Star	150	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH Meadow Rd. & Third Ave.	151	at least once between 3/11 and 3/18	Olentangy River	Design Relief	OSIS
MH Meadow Rd. & Third Ave.	151	at least once between 5/27 and 6/3	Olentangy River	Design Relief	OSIS
MH Meadow Rd. & Third Ave.	151	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH Meadow Rd. & Third Ave.	151	at least once between 7/15 and 7/22	Olentangy River	Design Relief	OSIS
MH Meadow Rd. & Third Ave.	151	at least once between 8/12 and 8/19	Olentangy River	Design Relief	OSIS
MH Meadow Rd. & Third Ave.	151	at least once between 8/19 and 8/26	Olentangy River	Design Relief	OSIS
MH Third Ave. & Virginia	154	at least once between 5/27 and 6/3	Olentangy River	Design Relief	OSIS
MH Third Ave. & Virginia	154	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH Fifth Ave. & Eastview/Kenny	157	at least once between 7/8 and 7/15	Olentangy River	Design Relief	OSIS
MH Fifth Ave. & Eastview/Kenny	157	at least once between 7/15 and 7/22	Olentangy River	Design Relief	OSIS
MH Cole St. & alley w/o Seymour	177	at least once between 7/9 and 7/14	Alum Creek	Design Relief	Alum Creek
MH Cole St. & alley w/o Seymour	177	at least once between 7/16 and 7/21	Alum Creek	Design Relief	Alum Creek
MH Gault & alley w/o Kelton	185	at least once between 7/14 and 7/21	Alum Creek	Design Relief	Alum Creek
MH Gault & alley w/o Miller	199	at least once between 7/14 and 7/21	Alum Creek	Design Relief	Alum Creek
MH Oakwood & Lawrence	201	at least once between 1/20 and 1/27	Scioto River	Design Relief	OSIS
MH Oakwood & Lawrence	201	at least once between 5/7 and 5/12	Scioto River	Design Relief	OSIS
MH Oakwood & Lawrence	201	at least once between 5/21 and 5/26	Scioto River	Design Relief	OSIS
MH Oakwood & Lawrence	201	at least once between 6/25 and 6/30	Scioto River	Design Relief	OSIS
MH Oakwood & Lawrence	201	at least once between 7/16 and 7/21	Scioto River	Design Relief	OSIS
MH Oakwood & Lawrence	201	at least once between 11/26 and 12/1	Scioto River	Design Relief	OSIS
MH Bruck & alley n/o Hosack	205	at least once between 1/20 and 1/27	Scioto River	Design Relief	OSIS

City of Columbus  
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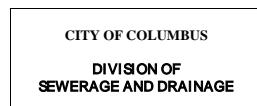
Location	Reference Number	Estimated Date and Time - if known	Receiving Water - if any	Sewer Component	Sewer Sub-Basin
MH Bruck & Reeb	206	at least once between 5/5 and 5/12	Scioto River	Design Relief	OSIS
MH Bruck & Reeb	206	at least once between 6/24 and 6/30	Scioto River	Design Relief	OSIS
MH Bruck & Reeb	206	at least once between 7/7 and 7/14	Scioto River	Design Relief	OSIS
MH Bruck & Reeb	206	at least once between 10/20 and 10/27	Scioto River	Design Relief	OSIS
MH Bruck & Reeb	206	at least once between 11/23 and 12/1	Scioto River	Design Relief	OSIS
MH Bruck & Woodrow	210	at least once between 4/2 and 4/7	Early Ditch	Design Relief	OSIS
MH Bruck & Woodrow	210	at least once between 6/25 and 6/30	Scioto River	Design Relief	OSIS
MH Bruck & Woodrow	210	at least once between 8/13 and 8/18	Scioto River	Design Relief	OSIS
MH Bruck & Woodrow	210	at least once between 10/22 and 10/27	Scioto River	Design Relief	OSIS
MH Hague Ave. n/o Mound St.	250	at least once between 5/20 and 5/27	Early Ditch	Design Relief	Big Run
MH Hague Ave. n/o Mound St.	250	at least once between 7/8 and 7/15	Early Ditch	Design Relief	Big Run
MH Hague Ave. n/o Mound St.	250	at least once between 7/15 and 7/22	Early Ditch	Design Relief	Big Run
MH Hague Ave. n/o Mound St.	250	at least once between 8/19 and 8/26	Early Ditch	Design Relief	Big Run
MH alley n/o Sullivant Ave. e/o Roys Ave.	254	at least once between 7/8 and 7/15	Early Ditch	Design Relief	Scioto Main
MH alley n/o Sullivant Ave. e/o Roys Ave.	254	at least once between 7/15 and 7/22	Early Ditch	Design Relief	Scioto Main
MH alley n/o Sullivant Ave. e/o Roys Ave.	254	at least once between 7/29 and 8/5	Early Ditch	Design Relief	Scioto Main
MH Binns Blvd. & alley s/o Palmetto St.	256	at least once between 12/30 and 1/7	Early Ditch	Design Relief	Big Run
MH Binns Blvd. & alley s/o Palmetto St.	256	at least once between 4/2 and 4/8	Early Ditch	Design Relief	Big Run
MH Binns Blvd. & alley s/o Palmetto St.	256	at least once between 7/9 and 7/15	Early Ditch	Design Relief	Big Run
MH Binns Blvd. & alley s/o Palmetto St.	256	at least once between 7/16 and 7/22	Early Ditch	Design Relief	Big Run
MH Binns Blvd. & alley s/o Palmetto St.	256	at least once between 8/13 and 8/19	Early Ditch	Design Relief	Big Run
MH Binns Blvd. & alley s/o Palmetto St.	256	at least once between 8/20 and 8/26	Early Ditch	Design Relief	Big Run
MH Lakeview & alley w/o Cleveland Ave.	305	at least once between 1/19 and 1/25	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Lakeview & alley w/o Cleveland Ave.	305	at least once between 6/4 and 6/7	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Lakeview & alley w/o Cleveland Ave.	305	at least once between 6/25 and 6/28	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Lakeview & alley w/o Cleveland Ave.	305	at least once between 7/12 and 7/16	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Lakeview & alley w/o Cleveland Ave.	305	at least once between 7/16 and 7/19	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Lakeview & alley w/o Cleveland Ave.	305	at least once between 7/23 and 7/26	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Lakeview & alley w/o Cleveland Ave.	305	at least once between 8/2 and 8/6	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Lakeview & alley w/o Cleveland Ave.	305	at least once between 8/20 and 8/23	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Bremen & alley n/o Melrose	306	at least once between 6/21 and 6/28	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Bremen & alley n/o Melrose	306	at least once between 7/19 and 7/26	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Bremen & alley n/o Weber	307	6/2 8:15 to 6/2 10:00	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Eddystone & Suwanee	315	at least once between 6/1 and 6/7	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Eddystone & Suwanee	315	at least once between 6/21 and 6/28	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Eddystone & Suwanee	315	at least once between 7/12 and 7/19	ditch e/o Perdue & n/o Aberdeen	Design Relief	Alum Creek
MH Webster Pk. & Olentangy Blvd.	323	at least once between 6/22 and 6/29	ditch on s/s of Webster Park w/o Olentangy Blvd.	Design Relief	OSIS
MH Olentangy Blvd. & Montrose Way	326	at least once between 3/16 and 3/23	Olentangy River	Design Relief	OSIS
MH Como & High	328	at least once between 6/15 and 6/22	Olentangy River	Design Relief	OSIS
MH Como & High	328	at least once between 7/13 and 7/20	Olentangy River	Design Relief	OSIS
MH e/s Indianola & alley n/o East North Broadway	329	at least once between 6/22 and 6/29	Walhalla Ravine	Design Relief	OSIS
Gauging station in Park of Roses	335	6/2 20:30 to 6/2 21:30	Adena Brook/Indian Spring Run	Design Relief	OSIS
MH Richards & Granden	337	1/24 3:15 to 1/24 10:35	Olentangy River	Design Relief	OSIS
MH Richards & Granden	337	3/13 4:30 to 3/13 9:50	Olentangy River	Design Relief	OSIS

City of Columbus  
Annual Summary of Wet Weather Overflows - 2010

Location	Reference Number	Estimated Date and Time - if known				Receiving Water - if any	Sewer Component	Sewer Sub-Basin	
MH Richards & Granden	337	5/11	9:00	to	5/11	10:05	Olentangy River	Design Relief	OSIS
MH Richards & Granden	337	6/2	7:55	to	6/2	10:20	Olentangy River	Design Relief	OSIS
MH Richards & Granden	337	6/26	10:25	to	6/26	11:05	Olentangy River	Design Relief	OSIS
MH Richards & Granden	337	6/27	10:15	to	6/27	11:05	Olentangy River	Design Relief	OSIS
MH Richards & Granden	337	7/12	16:25	to	7/12	16:50	Olentangy River	Design Relief	OSIS
MH Richards & Granden	337	7/18	18:20	to	7/18	18:40	Olentangy River	Design Relief	OSIS
MH Richards & Granden	337	7/25	8:55	to	7/25	9:45	Olentangy River	Design Relief	OSIS
MH Richards & Granden	337	8/11	12:10	to	8/11	12:15	Olentangy River	Design Relief	OSIS
MH alley w/o Cleveland & n/o Ferris	339	6/27	22:45	to	6/27	23:55	ditch e/o Cleveland & s/o Ferris Park	Design Relief	Alum Creek
MH alley w/o Cleveland & n/o Ferris	339	6/28	0:00	to	6/28	0:20	ditch e/o Cleveland & s/o Ferris Park	Design Relief	Alum Creek
MH alley w/o Cleveland & n/o Ferris	339	7/12	16:10	to	7/12	19:20	ditch e/o Cleveland & s/o Ferris Park	Design Relief	Alum Creek
MH 200' w/o Rustic Pl. & Olentangy Blvd.	346	at least once between	1/22	and	1/26		Olentangy River	Design Relief	OSIS
MH 200' w/o Rustic Pl. & Olentangy Blvd.	346	at least once between	6/25	and	6/29		Olentangy River	Design Relief	OSIS
MH 200' w/o Rustic Pl. & Olentangy Blvd.	346	at least once between	11/30	and	12/3		Olentangy River	Design Relief	OSIS
MH alley e/o High & s/o Schreyer Pl.	349	at least once between	7/7	and	7/13		Adena Brook/Indian Spring Run	Design Relief	OSIS
MH Plum Ridge n/o Lornaberry	364	at least once between	8/4	and	8/11		ditch n/s Main & w/o McNaughten	Design Relief	Big Walnut
MH California & High	898	at least once between	6/15	and	6/22		Olentangy River	Design Relief	OSIS
MH California & High	898	at least once between	7/13	and	7/20		Olentangy River	Design Relief	OSIS
MH in North Star, n/o Presidential	915	at least once between	4/1	and	4/8		ditch n/o Chambers, e/o Northwest Blvd.	Design Relief	OSIS
MH in North Star, n/o Presidential	915	at least once between	5/27	and	6/3		ditch n/o Chambers, e/o Northwest Blvd.	Design Relief	OSIS
MH in North Star, n/o Presidential	915	at least once between	6/23	and	7/1		ditch n/o Chambers, e/o Northwest Blvd.	Design Relief	OSIS
MH in North Star, n/o Presidential	915	at least once between	7/8	and	7/15		ditch n/o Chambers, e/o Northwest Blvd.	Design Relief	OSIS
MH in North Star, n/o Presidential	915	at least once between	7/15	and	7/22		ditch n/o Chambers, e/o Northwest Blvd.	Design Relief	OSIS
MH in North Star, n/o Presidential	915	at least once between	7/22	and	7/29		ditch n/o Chambers, e/o Northwest Blvd.	Design Relief	OSIS
MH in North Star, n/o Presidential	915	at least once between	8/12	and	8/19		ditch n/o Chambers, e/o Northwest Blvd.	Design Relief	OSIS
MH in North Star, n/o Presidential	915	at least once between	10/21	and	10/28		ditch n/o Chambers, e/o Northwest Blvd.	Design Relief	OSIS

## Appendix C

### Monthly Rainfall Data



**RAIN GAUGE SUMMARY FOR MONTH OF: JANUARY 2010**

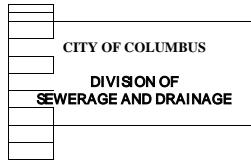
**PREPARED BY:** Initials  
**ECS**

Note: \* - indicates invalid data not included in averages or totals



## RAIN GAUGE LOCATION

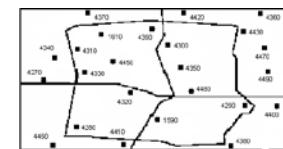
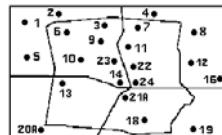
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1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.20	0.00	0.00	0.05	0.00	0.15	0.00	0.00	0.00	0.36	0.01	0.00	0.86	0.03	0.00	0.01	0.00	0.00	0.00	1.56	31	1
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.15	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.31	0.01	0.00	0.80	0.02	0.00	0.01	0.00	0.00	0.00	1.51	31	5
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0		
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.38	0.00	0.00	0.44	0.00	0.00	0.00	0.07	0.01	0.00	1.02	0.01	0.00	0.02	0.00	0.00	0.43	0.76	40.3	31		
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0			
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.10	0.00	0.00	0.26	0.00	0.00	0.00	0.37	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.00	1.77	31	14	
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.08	0.00	0.00	0.21	0.00	0.00	0.00	0.28	0.01	0.00	1.20	0.03	0.00	0.00	0.00	0.00	0.00	1.88	31	16	
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.21	0.00	0.00	0.00	0.45	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	1.84	31	18	
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.05	0.02	0.00	0.00	0.18	0.00	0.00	0.00	0.29	0.01	0.00	1.01	0.01	0.00	0.00	0.00	0.00	0.00	1.63	31	19	
20A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.02	0.03	0.00	0.00	0.30	0.00	0.00	0.00	0.41	0.01	0.00	1.03	0.03	0.00	0.00	0.00	0.00	0.00	1.92	31	20A	
21A	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.07	0.13	0.00	0.00	0.30	0.00	0.00	0.00	0.47	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	2.11	31	21A	
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.09	0.00	0.00	0.29	0.00	0.00	0.00	0.40	0.00	0.00	0.98	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.87	31	22	
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.28	0.01	0.00	0.65	0.01	0.00	0.00	0.01	0.00	0.00	1.22	31	23	
24	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.11	0.00	0.00	0.29	0.00	0.00	0.00	0.41	0.01	0.00	0.95	0.01	0.00	0.00	0.00	0.00	0.00	1.87	31	24	
25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0				
26	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0				
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.14	0.00	0.00	0.27	0.00	0.00	0.00	0.45	0.01	0.00	1.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	2.01	31	27	
1420	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.43	31	1420		
1480	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.79	0.00	0.00	0.00	0.00	0.00	0.00	1.06	31	1480		
1500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.91	31	1500		
1510	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.16	0.00	0.16	0.00	0.00	0.08	0.00	0.00	0.00	0.91	31	1510	
1520	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	31	1520	
1540	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	31	1540	
1550	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	31	1550	
1560	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.55	0.00	0.04	0.00	0.00	0.00	0.00	0.75	31	1560	
1580	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.04	0.00	0.00	0.00	0.35	31	1580		
1590	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.12	0.00	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	1.02	31	1590	
1600	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	31				
1610	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.24	0.00	0.00	0.08	0.00	0.00	0.12	0.00	0.00	0.99	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	1.58	31	1610		
2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.08	0.00	0.00	0.00	0.12	0.00	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	1.10	31	2020		
4270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.12	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	1.42	31	4270	
4280	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.12	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	1.42	31	4280	
4290	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0					
4300	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.16	0.00	0.00	0.99	0.00	0.08	0.00	0.00	0.00	0.00	0.00	1.50	31	4300
4310	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.12	0.00	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	1.18	31	4310	
4320	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0					
4330	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.12	0.00	0.00	0.91	0.04	0.00	0.00	0.00	0.00	0.00	1.30	31	4330		
4340	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.08	0.00	0.00	0.83	0.04	0.00	0.00	0.00	0.00	0.00	1.06	31	4340		
4350	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.12	0.04	0.00	0.00	0.24	0.00	0.00	0.00	0.16	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	1.58	31	4350		
4360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.08	0.08	0.00	0.00	0.24	0.00	0.00	0.00	0.28	0.04	0.00	0.95	0.00	0.04	0.00	0.00	0.00	0.00	0.00	1.73	31	4360	
4370	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.16	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.12	0.04	0.03	0.83	0.04	0.04	0.00	0.00	0.00	0.00	0.00	1.34	31	4370	
4380	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0					
4390	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.08	0.00	0.00	0.95</											



RAIN GAUGE SUMMARY FOR MONTH OF: FEBRUARY 2010

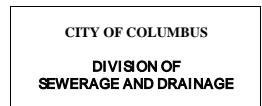
PREPARED BY: Initials  
ECS

Note: \* - indicates invalid data not included in averages or totals



RAIN GAUGE LOCATION

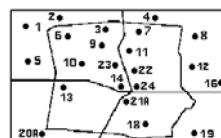
RG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	TOTAL	RG		
1	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.16	0.37	0.11	0.00	0.03	0.01	0.01	0.05	0.04	1.02	28	1		
5	0.00	0.03	0.01	0.00	0.02	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.10	0.00	0.10	0.00	0.05	0.00	0.00	0.14	0.02	0.75	28	5		
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	7	
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	8	
11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	11	
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	13	
14	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	28	14			
16	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.14	0.00	0.14	0.01	0.02	0.00	0.00	0.18	0.07	0.90	28	16		
18	0.00	0.00	0.00	0.00	0.04	0.05	0.01	0.00	0.00	0.01	0.00	0.00	0.02	0.01	0.00	0.00	0.10	0.02	0.00	0.00	0.17	0.00	0.01	0.00	0.00	0.14	0.03	0.99	28	18		
19	0.00	0.00	0.00	0.00	0.35	0.12	0.06	0.00	0.13	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.11	0.01	0.03	0.00	0.01	0.03	0.05	0.94	28	19		
20A	0.00	0.00	0.00	0.00	0.89	0.23	0.18	0.13	0.05	0.05	0.00	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.15	0.01	0.02	0.01	0.00	0.02	0.04	1.82	28	20A		
21A	0.00	0.00	0.00	0.00	0.17	0.21	0.00	0.06	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.27	0.35	0.02	0.19	0.00	0.01	0.01	0.00	0.15	0.12	1.60	28	21A		
22	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.28	0.00	0.00	0.17	0.00	0.02	0.00	0.00	0.17	0.02	0.79	28	22			
23	0.00	0.02	0.00	0.00	0.57	0.07	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.10	0.00	0.01	0.00	0.00	0.11	0.02	1.08	28	23			
24	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.27	0.31	0.03	0.19	0.00	0.02	0.00	0.00	0.18	0.05	1.18	28	24			
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.18	0.23	0.00	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.48	28	25			
26	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	26	
27	0.00	0.00	0.01	0.00	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.27	0.33	0.05	0.18	0.00	0.01	0.01	0.00	0.15	0.08	1.16	28	27			
1420	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	28	1420			
1480	0.00	0.04	0.00	0.00	0.00	0.04	0.00	0.08	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.08	0.00	0.00	0.04	0.00	0.08	0.04	0.63	28	1480			
1500	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.12	0.08	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.51	28	1500			
1510	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.08	0.00	0.04	0.00	0.00	0.00	0.16	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.08	0.12	0.95	28	1510		
1520	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.28	28	1520				
1530	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1530	
1540	0.00	0.00	0.00	0.00	0.00	0.04	0.32	0.08	0.00	0.00	0.04	0.00	0.00	0.04	0.04	0.04	0.04	0.00	0.00	0.08	0.00	0.04	0.00	0.00	0.04	0.00	0.79	28	1540			
1550	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.16	0.04	0.12	0.00	0.04	0.08	0.00	0.00	0.00	0.71	28	1550			
1560	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.08	0.08	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.28	28	1560			
1580	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.16	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.04	0.51	28	1580			
1590	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1590	
1600	0.00	0.04	0.00	0.00	0.04	0.12	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.20	0.00	0.12	0.00	0.04	0.00	0.00	0.04	0.00	0.79	28	1600			
1610	0.00	0.04	0.00	0.00	0.24	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.16	0.43	0.16	0.00	0.04	0.00	0.04	0.20	0.00	1.42	28	1610			
2020	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.04	0.00	0.12	0.00	0.00	0.04	0.00	0.04	0.00	0.51	28	2020			
4270	0.00	0.00	0.00	0.00	0.04	0.04	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.20	0.04	0.08	0.12	0.00	0.00	0.00	0.00	0.08	0.00	0.71	28	4270			
4280	0.00	0.00	0.00	0.00	0.67	0.12	0.00	0.00	0.16	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	1.54	28	4280			
4290	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4290	
4300	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.16	0.04	0.00	0.00	0.00	0.16	0.00	0.04	0.00	0.08	0.12	0.00	1.54	28	4300	
4310	0.00	0.04	0.00	0.00	0.00	0.04	0.00	0.08	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.28	0.04	0.04	0.00	0.12	0.00	0.04	0.00	0.04	0.00	0.04	0.75	28	4310		
4320	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4320	
4330	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.16	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.04	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	28	4330
4340	0.00	0.00	0.00	0.43	0.00	0.00	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.67	28	4340			
4350	0.00	0.04	0.00	0.00	0.08	0.16	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.28	0.00	0.16	0.00	0.04	0.00	0.00	0.04	0.00	0.16	0.00	1.38	28	4350	
4360	0.00	0.04	0.00	0.04	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.12	0.35	0.12	0.20	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.00	1.18	28	4360	
4370	0.00	0.04	0.00																													



RAIN GAUGE SUMMARY FOR MONTH OF: MARCH 2010

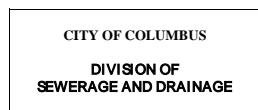
PREPARED BY: Initials  
ECS

Note: \* - indicates invalid data not included in averages or totals



RAIN GAUGE LOCATION

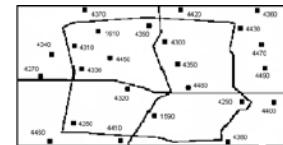
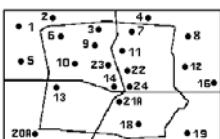
RG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	RG
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.05	0.16	1.13	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.06	0.01	0.69	0.20	0.00	0.48	0.00	0.00	3.47	31	1	
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.07	0.18	0.89	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.01	0.00	0.09	0.00	0.37	0.02	0.00	0.00	2.96	31	5	
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	7
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	8
11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	11
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	13
14	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.06	0.00	0.58	0.11	0.00	0.62	0.04	0.00	0.00	1.94	31	14
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.20	0.67	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.01	0.01	0.70	0.06	0.00	0.31	0.04	0.00	0.00	2.53	31	16
18	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.07	0.04	0.22	0.71	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.03	0.00	0.43	0.02	0.00	0.33	0.08	0.00	0.00	2.52	31	18
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.05	0.16	0.53	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.02	0.01	0.48	0.06	0.00	0.29	0.06	0.00	0.01	2.32	31	19
20A	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.07	0.08	0.22	1.16	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.15	0.00	0.73	0.06	0.00	0.73	0.10	0.00	0.00	3.92	31	20A
21A	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.11	0.08	0.23	0.99	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.07	0.00	0.66	0.06	0.00	0.48	0.08	0.00	0.00	3.38	31	21A
22	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.05	0.18	0.81	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.08	0.00	0.63	0.00	0.00	0.48	0.01	0.00	0.00	2.92	31	22
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.07	0.12	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.01	0.00	0.46	0.13	0.00	0.44	0.01	0.00	0.00	2.72	31	23
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.05	0.17	0.70	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.06	0.01	0.60	0.16	0.00	0.49	0.04	0.00	0.00	2.94	31	24
25	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.06	0.04	0.20	0.73	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.05	0.00	0.45	0.05	0.00	0.40	0.04	0.00	0.00	2.46	31	25
26	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	26
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.11	0.16	1.03	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.10	0.01	0.68	0.20	0.00	0.66	0.02	0.00	0.00	3.63	31	27
1420	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1420
1480	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.79	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.16	0.00	0.00	0.39	0.00	0.00	0.00	1.89	31	1480
1500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.71	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.20	0.00	0.00	0.28	0.04	0.00	0.00	1.77	31	1500
1510	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19	N	1510	
1520	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.24	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.43	0.00	0.00	0.08	1.30	31	1520		
1530	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1530
1540	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.39	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.43	0.24	0.00	0.55	0.04	0.00	0.00	0.00	2.05	31	1540	
1550	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.16	0.28	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.43	0.04	0.00	0.32	0.04	0.00	0.00	1.97	31	1550
1560	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.47	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.43	0.00	0.00	0.36	0.00	0.00	0.00	1.54	31	1560
1580	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.12	0.04	0.00	0.00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1580	
1590	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1590
1600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.12	0.08	0.75	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.59	0.08	0.00	0.59	0.00	0.00	0.00	2.84	31	1600	
1610	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.04	0.12	0.95	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.04	0.04	0.47	0.04	0.00	0.55	0.00	0.00	0.00	2.92	31	1610	
2020	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.08	0.08	0.12	1.02	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.20	0.00	0.00	0.51	0.04	0.00	0.00	2.64	31	2020
4270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.04	0.20	0.95	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.16	0.00	0.12	0.00	0.00	0.39	0.12	0.00	0.00	2.64	31	4270
4280	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.08	0.04	0.20	1.06	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.12	0.00	0.55	0.00	0.00	0.71	0.08	0.00	0.00	3.43	31	4280
4290	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4290
4300	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.24	0.75	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.08	0.00	0.63	0.04	0.00	0.43	0.00	0.00	0.00	2.76	31	4300	
4310	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.99	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.20	0.00	0.00	0.35	0.00	0.00	0.00	2.01	31	4310	
4320	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4320
4330	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.28	0.95	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.20	0.00	0.00	0.55	0.00	0.00	0.00	2.44	31	4330	
4340	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.08	0.16	0.83	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.04	0.00	0.67	0.00	0.00	0.43	0.00	0.00	0.00				



**RAIN GAUGE SUMMARY FOR MONTH OF: APRIL 2010**

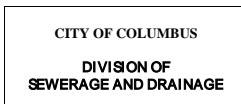
PREPARED BY: Initials  
ECS

Note: \* - indicates invalid data not included in averages or totals



RAIN GAUGE LOCATION

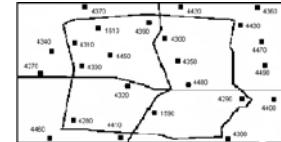
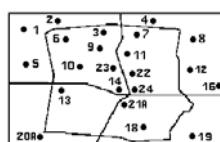
RG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL		RG		
1	0.00	0.00	0.00	0.00	0.34	0.03	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.11	0.33	0.44	0.37	0.00	0.00	0.00	0.00	0.00	0.00	2.03	30		1		
5	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.31	0.47	0.00	0.00	0.00	0.00	0.00	0.00	1.74	30		5		
7	0.00	0.00	0.00	0.00	0.58	0.01	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.29	0.42	0.00	0.00	0.00	0.00	0.00	0.00	2.05	30		7		
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	8		
11	0.42	0.25	0.00	0.00	1.10	0.02	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.02	0.76	1.14	0.67	0.00	0.00	0.00	0.00	0.00	0.00	4.63	30		11		
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	13			
14	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.09	0.00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	N	14			
16	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.31	0.47	0.00	0.00	0.00	0.00	0.00	0.00	1.74	30		16		
18	0.00	0.00	0.00	0.00	0.58	0.01	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.29	0.42	0.00	0.00	0.00	0.00	0.00	0.00	2.05	30		18		
19	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.33	0.43	0.00	0.00	0.00	0.00	0.00	0.00	1.79	30		19		
20A	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.13	0.39	0.00	0.00	0.00	0.00	0.00	0.00	2.04	30		20A		
21A	0.00	0.00	0.00	0.00	0.67	0.01	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.30	0.51	0.00	0.00	0.00	0.00	0.00	0.00	2.21	30		21A		
22	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.46	0.24	0.62	0.00	0.00	0.00	0.00	0.00	0.00	2.30	30		22		
23	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.33	0.07	0.42	0.00	0.00	0.00	0.00	0.00	0.00	1.62	30		23		
24	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.54	0.32	0.59	0.00	0.00	0.00	0.00	0.00	0.00	2.20	30		24		
25	0.00	0.00	0.00	0.00	0.64	0.01	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.11	0.25	0.00	0.00	0.00	0.00	0.00	0.00	1.38	30		25		
26	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	26			
27	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.47	0.24	0.68	0.00	0.00	0.00	0.00	0.00	0.00	2.63	30		27	
1420	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	N	1420			
1480	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.08	0.63	0.39	0.32	0.00	0.00	0.00	0.00	0.00	0.00	1.66	30		1480		
1500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.24	0.28	0.00	0.00	0.00	0.00	0.00	0.00	1.02	30		1500		
1510	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.20	0.48	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.95	30		1510		
1520	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.04	0.43	0.24	0.20	0.00	0.00	0.00	0.00	0.00	0.00	1.10	30		1520	
1540	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.35	0.12	0.24	0.00	0.00	0.00	0.00	0.00	0.00	1.18	30		1540		
1550	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.32	0.24	0.12	0.00	0.00	0.00	0.00	0.00	0.00	1.06	30		1550		
1560	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.08	0.12	0.04	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.71	30		1560	
1580	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1580			
1590	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1590			
1600	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.04	0.20	0.20	0.43	0.00	0.00	0.00	0.00	0.00	0.00	1.26	30		1600		
1610	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.20	0.08	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	1.22	30		1610
2020	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.04	0.28	0.00	0.00	0.00	0.00	0.00	0.00	1.38	30		2020		
4270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.28	0.20	0.16	0.04	0.16	0.00	0.00	0.00	0.00	0.00	0.00	1.54	30		4270
4280	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.12	0.39	0.00	0.00	0.00	0.00	0.00	0.00	2.05	30		4280		
4290	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4290			
4300	0.00	0.00	0.00	0.24	0.04	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.08	0.43	0.28	0.51	0.00	0.00	0.00	0.00	0.00	0.00	1.77	30		4300		
4310	0.00	0.00	0.00	0.35	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.32	0.16	0.47	0.00	0.00	0.00	0.00	0.00	0.00	1.77	30		4310		
4320	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4320			
4330	0.00	0.00	0.00	0.51	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.16	0.51	0.00	0.00	0.00	0.00	0.00	0.00	1.77	30		4330			
4340	0.00	0.00	0.00	0.43	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.16	0													



RAIN GAUGE SUMMARY FOR MONTH OF: MAY, 2010

PREPARED BY: Initials  
ECS

Note: \* - indicates invalid data not included in averages or totals



RAIN GAUGE LOCATION

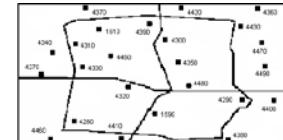
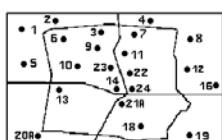
RG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	RG
1	0.17	0.45	0.00	0.03	0.01	0.14	0.00	0.00	0.00	1.04	0.13	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	2.03	31	1		
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	5	
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	7		
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	8		
11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	11		
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	13		
14	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.97	0.33	0.12	0.00	0.00	0.00	0.18	0.23	0.07	0.00	0.65	0.04	0.00	0.00	0.00	0.00	0.00	0.45	3.32	31	14			
16	0.12	0.52	0.02	0.12	0.00	0.00	0.17	0.29	0.00	0.12	1.08	0.31	0.04	0.00	0.00	0.22	0.19	0.20	0.00	0.51	0.35	0.00	0.00	0.00	0.00	0.03	0.00	0.38	4.67	31	16		
18	0.17	0.59	0.01	0.09	0.00	0.00	0.16	0.33	0.00	1.07	0.34	0.07	0.00	0.00	0.00	0.19	0.30	0.04	0.01	0.77	0.10	0.00	0.00	0.00	0.01	0.00	0.16	4.41	31	18			
19	0.15	0.59	0.02	0.09	0.00	0.00	0.00	0.21	0.00	0.00	0.93	0.50	0.02	0.00	0.00	0.14	0.05	0.06	0.01	0.57	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.20	3.96	31	19		
20A	0.14	0.50	0.01	0.09	0.00	0.02	0.00	0.21	0.00	1.23	0.35	0.01	0.00	0.00	0.00	0.28	0.04	0.06	0.00	1.07	0.12	0.00	0.00	0.00	0.00	0.00	0.00	1.31	5.44	31	20A		
21A	0.16	0.50	0.01	0.12	0.00	0.01	0.00	0.29	0.00	0.00	1.11	0.30	0.08	0.00	0.00	0.02	0.22	0.39	0.05	0.01	0.69	0.04	0.00	0.00	0.00	0.02	0.00	0.00	0.47	4.49	31	21A	
22	0.12	0.42	0.01	0.10	0.00	0.04	0.00	0.28	0.00	0.00	1.15	0.26	0.05	0.00	0.00	0.23	0.21	0.11	0.00	0.75	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.66	4.52	31	22		
23	0.07	0.26	0.01	0.06	0.03	0.01	0.10	0.15	0.00	0.00	0.86	0.20	0.09	0.00	0.00	0.00	0.14	0.15	0.09	0.00	0.62	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.45	3.32	31	23	
24	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	24		
25	0.09	0.28	0.01	0.07	0.00	0.01	0.00	0.16	0.00	0.00	0.76	0.20	0.03	0.00	0.00	0.12	0.13	0.02	0.00	0.61	0.03	0.00	0.00	0.00	0.00	0.00	0.67	3.19	31	25			
26	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	*	*	*	*	*	*	*	*	*	*	0.10	0.00	*	0.04	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.32	31	26
27	0.12	0.42	0.00	0.13	0.01	0.04	0.04	0.32	0.00	0.00	1.13	0.31	0.12	0.00	0.00	0.00	0.26	0.26	0.14	0.01	0.81	0.08	0.00	0.00	0.00	0.02	0.00	0.00	0.61	4.83	31	27	
1420	*	*	*	*	*	0.08	*	*	*	*	0.32	0.00	0.12	0.04	0.00	0.04	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.20	*	21	N 1420		
1480	0.16	0.59	0.24	0.00	0.00	0.47	0.04	0.00	0.00	0.95	0.16	0.12	0.00	0.00	0.00	0.32	0.04	0.27	0.00	0.79	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.32	4.53	31	1480		
1500	0.08	0.59	0.20	0.00	0.08	0.00	0.08	0.04	0.00	0.00	0.83	0.08	0.00	0.00	0.00	0.47	0.47	0.28	0.00	0.59	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.99	4.85	31	1500		
1510	0.08	0.12	0.16	0.16	0.24	0.00	0.48	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.20	0.04	0.00	0.12	0.16	0.00	0.00	0.00	0.00	0.00	0.04	0.12	0.00	0.83	2.81	31	1510	
1520	0.08	0.67	0.20	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.08	0.00	0.00	0.00	0.32	0.08	0.20	0.00	0.51	0.04	0.00	0.00	0.00	0.00	0.00	0.00	1.66	4.49	31	1520	
1540	0.16	0.39	0.20	0.04	0.00	0.16	0.08	0.00	0.00	0.67	0.08	0.04	0.00	0.00	0.00	0.16	0.28	0.24	0.00	0.43	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.01	31	1540	
1550	0.04	0.47	0.04	0.08	0.00	0.04	0.00	0.00	0.00	0.00	1.06	0.08	0.00	0.00	0.00	0.12	0.28	0.16	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.92	31	1550		
1560	0.04	0.24	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.67	0.20	0.00	0.00	0.00	0.08	0.08	0.04	0.00	0.32	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	2.32	31	1560		
1580	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1580		
1590	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1590		
1600	0.12	0.59	0.00	0.00	0.04	0.12	0.00	0.00	0.00	1.30	0.32	0.08	0.00	0.00	0.24	0.04	0.04	0.075	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	5.40	31	1600		
1610	0.04	0.04	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.04	0.04	0.00	0.04	0.00	0.04	0.00	0.04	0.00	0.04	0.04	0.00	0.08	0.00	0.04	0.00	0.04	0.00	0.68	31	1610			
2020	0.20	0.51	0.12	0.08	0.04	0.00	0.04	0.08	0.00	0.00	1.26	0.55	0.00	0.00	0.00	0.12	0.00	0.04	0.00	0.83	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	4.22	31	2020	
4270	0.12	0.32	0.00	0.08	0.04	0.00	0.24	0.00	0.00	0.99	0.35	0.08	0.00	0.00	0.00	0.20	0.00	0.04	0.00	0.12	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.76	31	4270	
4280	0.12	0.43	0.00	0.08	0.00	0.04	0.24	0.00	0.00	1.10	0.28	0.00	0.00	0.00	0.20	0.12	0.04	0.00	0.99	0.12	0.00	0.00	0.00	0.00	0.04	0.00	0.00	3.78	31	4280			
4290	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4290		
4300	0.08	0.47	0.00	0.04	0.08	0.00	0.04	0.00	0.00	0.00	0.16	0.32	0.00	0.00	0.00	0.20	0.28	0.12	0.00	0.75	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.82	31	4300		
4310	0.08	0.39	0.04	0.04	0.04	0.04	0.16	0.04	0.00	0.00	0.99	0.39	0.04	0.00	0.00	0.20	0.04	0.04	0.00	0.67	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.31	31	4310		
4320	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4320		
4330	0.12	0.39	0.00	0.12	0.04	0.00	0.24	0.00	0.00	1.06	0.28	0.12	0.00	0.00	0.32	0.00	0.04	0.00	0.91	0.16	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	3.94	31	4330		
4340	0.12	0.39	0.00	0.08	0.04	0.00	0.04	0.00	0.00	0.00	1.18	0.35	0.00	0.00	0.00	0.24	0.04	0.00	0.00	0.59	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	31	4340		
4350	0.08	0.39	0.00	0.16	0.04	0.00	0.12	0.24	0.00	0.00	1.02	0.32	0.04	0.00	0.00	0.24	0.20	0.08	0.00	0.79	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.78	31	4350		
4360	0.08	0.43	0.00	0.04	0.00	0.04	0.08	0.12	0.00	0.00	1.22	0.16	0.00	0.00	0.00	0.16	0.28	0.12	0.00	0.63	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.51	31	4360		
4370	0.08	0.55	0.00	0.08	0.00	0.16																											

CITY OF COLUMBUS  
DIVISION OF  
SEWERAGE AND DRAINAGE

RAIN GAUGE SUMMARY FOR MONTH OF: JUNE, 2010

PREPARED BY: Initials  
ECS

Note: \* - indicates invalid data not included in averages or totals



RAIN GAUGE LOCATION

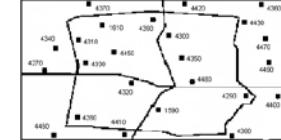
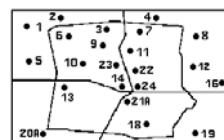
RG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	RG
1	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	30	1		
5																														0	N 5	
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N 7	
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N 8	
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.25	0.28	0.16	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.59	30	11		
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N 13	
14	0.00	0.64	0.12	0.02	0.42	0.39	0.00	0.03	0.75	0.00	0.25	0.19	0.14	0.02	0.24	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.65	30	14		
16	0.01	0.66	0.01	0.00	0.20	0.50	0.00	0.04	0.75	0.00	0.38	0.29	0.11	0.00	0.82	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	5.89	30	16		
18	0.00	0.53	0.03	0.00	0.20	0.31	0.00	0.02	0.69	0.00	0.50	0.15	0.13	0.01	0.73	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.15	30	18		
19	0.00	0.78	0.06	0.00	0.14	0.38	0.00	0.02	0.67	0.00	0.23	0.14	0.10	0.26	0.54	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.93	30	19		
20A	0.00	0.50	0.06	0.01	0.07	0.24	0.00	0.04	0.69	0.00	0.45	0.13	0.14	0.00	0.27	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.54	30	20A			
21A	0.00	0.46	0.04	0.05	0.23	0.28	0.00	0.02	0.69	0.00	0.58	0.24	0.13	0.01	0.24	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.57	30	21A		
22	0.00	1.12	0.04	0.03	0.46	0.25	0.00	0.05	0.75	0.00	0.17	0.19	0.15	0.00	0.27	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.54	30	22		
23	0.00	0.75	0.03	0.00	0.29	0.18	0.00	0.05	0.51	0.00	0.20	0.22	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	30	23		
24	0.00	0.91	0.11	0.03	0.49	0.35	0.00	0.04	0.74	0.00	0.34	0.24	0.12	0.00	0.45	0.00	0.00	0.00	0.01	0.00	0.00	* 0.00	0.00	0.00	0.00	0.00	5.10	29	24			
25	0.00	0.47	0.04	0.03	0.14	0.17	0.01	0.01	0.47	0.00	0.30	0.05	0.08	0.00	0.10	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	30	25		
26	0.00	1.37	0.02	0.03	1.44	0.64	0.00	0.07	0.86	0.00	0.14	0.12	0.10	0.03	0.59	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	7.68	30	26		
27	0.00	1.13	0.06	0.00	0.36	0.25	0.00	0.06	0.76	0.00	0.48	0.26	0.16	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.15	30	27		
1420	0.00	0.04	0.04	0.12	0.43	0.00	0.00	0.12	0.16	0.00	0.24	0.79	0.12	0.67	0.08	0.00	0.12	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.47	30	1420	
1480	0.00	0.47	0.12	0.00	0.43	1.02	0.00	0.00	0.43	0.12	0.43	0.08	0.04	0.16	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.71	30	1480		
1500	0.00	0.04	0.00	0.00	1.26	0.99	0.00	0.00	0.59	0.00	0.24	0.12	0.12	0.08	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.03	30	1500		
1510	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.04	0.28	0.00	1.19	0.52	0.04	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.65	30	1510		
1520	0.00	0.08	0.08	0.00	0.43	0.08	0.00	0.04	0.39	0.00	0.71	0.16	0.16	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.74	30	1520		
1540	0.00	0.04	0.08	0.00	0.55	0.43	0.00	0.12	0.39	0.00	0.20	0.08	0.08	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.14	30	1540		
1550	0.00	0.59	0.12	0.00	0.63	1.14	0.00	0.00	0.12	0.06	0.35	0.00	0.04	0.00	0.04	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.29	30	1550		
1560	0.00	0.47	0.08	0.00	0.24	0.20	0.00	0.00	0.16	0.00	0.32	0.08	0.04	0.04	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.72	30	1560		
1580	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N 1580		
1590	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N 1590		
1600	0.00	1.26	0.20	0.00	0.43	0.32	0.00	0.08	0.43	0.00	0.32	0.16	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.12	30	1600		
1610	0.00	0.79	0.32	0.00	0.24	0.20	0.08	0.04	0.04	0.08	0.04	0.04	0.04	0.04	0.16	0.08	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.06	30	1610		
2020	0.04	0.59	0.08	0.12	0.04	0.08	0.00	0.16	0.43	0.00	0.47	1.93	0.16	0.00	0.87	0.00	0.00	0.00	0.04	0.00	0.00	0.12	0.00	0.00	0.63	0.20	0.00	0.00	5.95	30	2020	
4270	0.00	0.75	0.08	0.00	0.24	0.24	0.00	0.04	0.51	0.00	0.28	0.12	0.12	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.61	30	4270		
4280	0.00	0.55	0.08	0.00	0.20	0.24	0.00	0.00	0.43	0.00	0.16	0.12	0.04	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	30	4280		
4290	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N 4290		
4300	0.00	0.71	0.04	0.00	0.51	0.43	0.00	0.00	0.51	0.04	0.08	0.55	0.12	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50	30	4300		
4310	0.04	0.79	0.04	0.00	0.24	0.32	0.00	0.00	0.55	0.00	0.04	0.16	0.04	0.43	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.03	30	4310			
4320	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N 4320		
4330	0.00	0.87	0.08	0.00	0.43	0.24	0.00	0.00	0.51	0.00	0.04	0.55	0.12	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.75	30	4330			
4340	0.00	0.87	0.08	0.00	0.32	0.20	0.00	0.00	0.40	0.00	0.00	0.08	0.12	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	30	4340			
4350	0.00	0.83	0.04	0.00	0.20	0.20	0.00	0.00	0.51	0.00	0.16	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.63	30	4350			
4360	0.04	0.79	0.00	0.00	1.06	0.43	0.00	0.00	0.51	0.00	0.04	0.28	0.08	0.00	0.47	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.36	30	4360			
4370	0.04	0.79	0.08	0.00	0.55	0.43	0.00	0.00</																								

CITY OF COLUMBUS  
DIVISION OF  
SEWERAGE AND DRAINAGE

RAIN GAUGE SUMMARY FOR MONTH OF: JULY, 2010

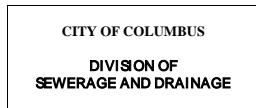
PREPARED BY: Initials  
ECS

Note: \* - indicates invalid data not included in averages or totals



RAIN GAUGE LOCATION

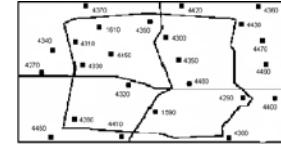
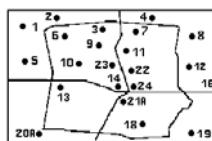
RG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	RG	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.43	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.12	0.00	0.00	0.00	0.00	0.06	0.68	31	1		
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	5	
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	7		
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	8		
11	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.12	0.00	0.00	3.09	1.19	0.00	0.00	0.04	0.00	1.66	0.01	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.11	8.22	31	11		
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	13		
14	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.58	0.00	0.00	1.06	1.42	0.00	0.00	0.41	0.00	1.46	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.00	5.94	31	14		
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.27	0.01	0.00	0.93	0.20	0.01	0.00	0.07	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00	0.00	0.00	4.36	31	16	
18	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.62	0.01	0.00	0.70	0.23	0.01	0.00	0.05	0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	3.30	31	18		
19	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.96	0.01	0.00	0.51	0.59	0.01	0.00	0.02	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	3.37	31	19		
20A	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.67	0.00	0.00	0.71	0.26	0.01	0.00	0.31	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	4.09	31	20A		
21A	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.53	0.00	0.00	1.30	1.10	0.00	0.00	0.07	0.00	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00	0.00	5.72	31	21A		
22	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.52	0.00	0.00	2.01	1.58	0.00	0.00	0.31	0.00	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.00	7.00	31	22		
23	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.64	0.00	0.00	2.05	0.14	0.00	0.00	0.02	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	4.41	31	23		
24	0.00	0.00	*	0.00	0.00	0.00	0.16	0.86	0.00	0.00	0.96	0.35	*	0.00	0.27	0.00	2.09	0.00	0.00	0.00	*	0.00	0.00	0.79	0.00	*	0.00	0.00	0.00	0.00	0.00	5.59	27	24
25	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.38	0.00	0.00	0.75	0.63	0.01	0.00	0.10	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	3.56	31	25		
26	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	1.15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	N	26	
27	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.95	0.01	0.00	3.21	0.36	0.00	0.00	0.03	0.00	1.22	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.16	7.13	31	27	
1420	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.04	0.00	0.04	0.00	0.00	0.12	0.04	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.24	0.00	0.00	0.04	0.00	0.00	1.69	31	1420	
1480	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.24	0.00	0.00	1.26	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.04	31	1480		
1500	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.00	0.00	0.75	0.00	0.00	0.00	0.16	0.00	0.04	0.00	0.00	0.12	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.12	31	1500			
1510	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.65	0.00	0.04	0.00	0.36	0.04	0.00	0.04	0.00	1.47	0.00	0.16	0.00	0.00	0.00	0.00	0.36	0.28	0.00	0.00	0.00	0.00	0.00	0.00	5.39	31	1510
1520	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.08	0.00	0.00	0.55	0.00	0.00	0.00	0.24	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.43	0.00	0.00	0.00	0.00	0.00	0.04	31	1520	
1540	0.00	0.00	0.00	0.00	0.00	0.04	0.16	0.24	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.12	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	31	1540		
1550	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	1.02	0.24	0.00	0.00	0.26	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	2.48	31	1550		
1560	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.20	0.04	0.00	0.39	0.04	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.04	31	1560		
1580	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.04	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.35	31	1580		
1590	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1590		
1600	0.00	0.00	0.00	0.00	0.00	0.12	0.71	0.00	0.00	0.79	0.59	0.00	0.00	0.00	0.20	0.04	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.08	3.15	31	1600				
1610	0.04	0.00	0.00	0.00	0.04	0.59	0.00	0.71	0.63	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	3.07	31	1610							
1620	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1620			
2020	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.51	0.00	0.00	0.99	1.18	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.20	5.28	31	2020	
4270	0.00	0.00	0.00	0.00	0.00	0.00	0.16	1.06	0.00	0.00	0.75	0.47	0.00	0.00	0.04	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00	4.13	31	4270	
4280	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.56	0.00	0.00	0.79	0.51	0.00	0.00	0.20	0.00	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	3.78	31	4280	
4290	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4290			
4300	0.00	0.00	0.00	0.00	0.00	0.04	1.22	0.00	0.00	0.47	0.75	0.00	0.00	0.00	0.79	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.00	4.14	31	4300		
4310	0.00	0.00	0.00	0.00	0.00	0.00	0.39	1.06	0.00	0.00	0.75	0.12	0.00	0.00	0.00	0.59	0.08	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	3.70	31	4310				
4320	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4320			
4330	0.00	0.00	0.00	0.00	0.08	1.14	0.04	0.00	1.34	1.50	0.00	0.00	0.04	0.00	0.71	0.04	0.00	0.00	0.04	0.75	0.00	0.00	0.00	0.00	0.00	0.00	5.71	31	4330					
4340	0.00	0.00	0.00	0.00	0.35	1.38	0.00	0.00	0.55	0.20	0.00	0.00	0.00</																					



**RAIN GAUGE SUMMARY FOR MONTH OF: August 2010**

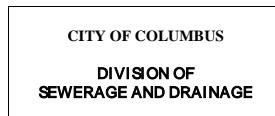
**PREPARED BY:** Initials  
ECS

Note: \* - indicates invalid data not included in averages or totals



#### **RAIN GAUGE LOCATION**

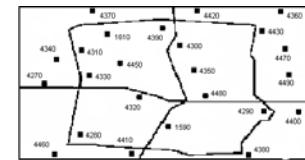
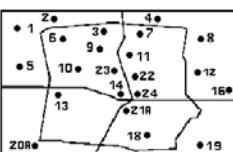
RG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	RG
1	0.00	0.00	0.06	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.50	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	31	1	
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	5	
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	7		
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	8		
11	0.00	0.00	0.12	1.00	0.13	0.00	0.00	0.00	0.95	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.77	31	11		
12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	12		
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	13		
14	0.00	0.00	0.02	1.17	0.15	0.00	0.00	0.00	0.00	0.06	0.51	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	31	14		
16	0.00	0.00	0.04	0.52	0.13	0.00	0.00	0.00	0.40	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.37	31	16		
18	0.00	0.00	0.02	0.89	0.20	0.00	0.00	0.00	0.43	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.97	31	18		
19	0.01	0.00	0.03	1.01	0.13	0.00	0.00	0.00	0.66	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	31	19		
20A	0.01	0.00	0.04	1.35	0.08	0.00	0.00	0.00	0.38	0.03	0.01	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	31	20A		
21A	0.00	0.00	0.02	1.10	0.12	0.00	0.00	0.00	0.36	0.69	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.12	31	21A		
22	0.00	0.00	0.04	1.15	0.11	0.00	0.00	0.00	0.79	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.36	31	22		
23	0.00	0.00	0.03	1.05	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	31	23		
24	0.00	0.00	0.03	1.04	*	0.00	0.00	0.00	0.88	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74	30	24		
25	0.00	0.00	0.02	0.68	0.08	0.00	0.00	0.00	0.38	0.24	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	31	25		
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.14	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	31	26		
27	0.00	0.00	0.12	1.26	0.12	0.00	0.00	0.00	1.33	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.48	31	27		
1420	0.00	0.00	0.12	1.10	0.14	0.00	0.00	0.00	0.99	0.00	0.00	0.55	0.08	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.43	31	1420		
1480	0.00	0.00	0.12	2.33	0.04	0.00	0.00	0.00	0.43	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.38	31	1480		
1500	0.00	0.00	0.32	1.73	0.04	0.00	0.00	0.00	0.08	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.03	31	1500		
1510	0.00	0.00	0.20	0.36	0.04	0.00	0.00	0.00	0.16	0.00	0.00	0.83	0.04	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	31	1510	
1520	0.00	0.00	0.32	1.42	0.04	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.20	31	1520		
1540	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	31	1540		
1550	0.00	0.00	0.16	1.10	0.12	0.24	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.08	31	1550		
1560	0.00	0.00	0.04	0.71	0.04	0.00	0.00	0.00	0.06	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	31	1560		
1580	0.00	0.00	0.28	0.87	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	31	1580		
1590	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	1590			
1600	0.00	0.00	0.08	0.71	0.04	0.00	0.00	0.00	0.28	0.47	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.05	31	1600		
1610	0.00	0.00	0.04	0.47	0.24	0.00	0.00	0.00	0.47	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	31	1610		
1620	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	1620			
2020	0.00	0.00	0.00	0.87	0.04	0.00	0.00	0.00	0.00	0.20	0.16	0.00	0.32	0.16	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	31	2020		
4270	0.00	0.00	0.04	1.58	0.12	0.00	0.00	0.00	0.00	1.10	0.12	0.00	0.04	0.20	0.00	0.00	0.00	0.00	0.12	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.35	31	4270	
4280	0.00	0.00	0.00	0.00	1.50	0.08	0.00	0.00	0.00	0.00	1.26	0.32	0.00	0.28	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.86	31	4280		
4290	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	4290			
4300	0.00	0.00	0.04	0.79	0.08	0.00	0.00	0.00	0.28	0.00	0.00	0.28	0.04	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	31	4300		
4310	0.00	0.00	0.08	0.95	0.08	0.00	0.00	0.00	0.75	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	31	4310		
4320	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	4320			
4330	0.00	0.00	0.04	1.62	0.12	0.00	0.00	0.00	0.36	0.00	0.04	0.16	0.04	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.77	31	4330			
4340	0.00	0.00	0.04	1.26	0.08	0.00	0.00	0.00	0.24	0.36	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.36	31	4340		
4350	0.00	0.00	0.04	0.99	0.12	0.00	0.00	0.00	0.43	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	31	4350		
4360	0.00	0.00	0.04	0.71	0.08	0.00	0.00	0.00	0.08	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	31	4360	
4370	0.00	0.00	0.08	0.83	0.08	0.00	0.00	0.00	0.71	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.68	31	4370		
4380	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	4380			
4390	0.04	0.04	0.55	0.08	0.00	0.00	0.04	0.00	0.51	0.00	0.04	0.39	0.00	0.00	0.04	0.00	0.08	0.08	0.00</														



**RAIN GAUGE SUMMARY FOR MONTH OF: September 2010**

**PREPARED BY:** Initials  
                                  mf

Note: \* - indicates invalid data not included in averages or totals



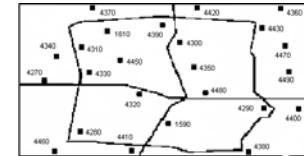
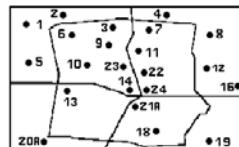
RAIN GAUGE LOCATION

CITY OF COLUMBUS  
DIVISION OF  
SEWERAGE AND DRAINAGE

RAIN GAUGE SUMMARY FOR MONTH OF: October 2010

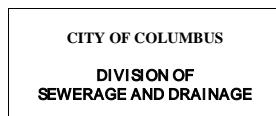
PREPARED BY: Initials  
ECS

Note: \* - indicates invalid data not included in averages or totals



RAIN GAUGE LOCATION

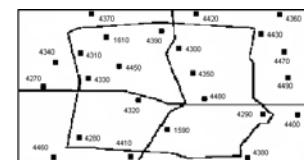
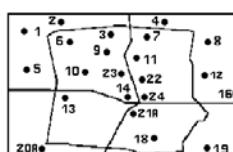
RG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	RG
1	0.00	0.09	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	31	1			
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	5	
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	7		
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	8		
11	0.00	0.10	0.07	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.05	0.02	0.13	0.00	0.00	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00	1.49	31	11			
12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	12		
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	13		
14	0.00	0.08	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.10	0.00	0.00	0.17	0.06	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	1.55	31	14			
16	0.00	0.11	0.00	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.03	0.01	0.15	0.00	0.00	0.15	0.09	0.00	0.00	0.00	0.00	0.00	0.01	1.22	0.00	0.00	0.01	0.00	0.00	1.85	31	16	
18	0.00	0.10	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.12	0.00	0.00	0.12	0.05	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00	1.42	31	18			
19	0.00	0.10	0.01	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.05	0.01	0.14	0.01	0.00	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.07	1.24	0.01	0.00	0.00	0.00	1.87	31	19		
20A	0.00	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.12	0.00	0.00	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.79	0.01	0.00	0.00	0.00	1.25	31	20A			
21A	0.00	0.08	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.10	0.00	0.00	0.16	0.04	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	1.36	31	21A			
22	0.00	0.09	0.06	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.08	0.00	0.00	0.23	0.07	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	1.48	31	22			
23	0.00	0.05	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.04	0.00	0.00	0.17	0.02	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.94	31	23			
24	0.00	0.10	0.03	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.09	*	0.00	0.22	0.07	0.00	0.00	0.00	0.00	0.00	1.01	0.01	0.00	0.00	0.00	1.64	30	24			
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	* 31	N 25			
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	* 31	N 26			
27	0.00	0.11	0.08	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.11	0.00	0.00	0.25	0.07	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	1.64	31	27			
1420	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	* 31	N 1420				
1480	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.04	0.00	0.00	0.00	0.75	31	1480			
1500	0.00	0.08	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.08	0.00	0.00	0.28	0.16	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	1.43	31	1500				
1510	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.04	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.04	0.00	0.00	0.88	31	1510			
1520	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	31	1520			
1540	0.00	0.12	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.36	0.04	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	1.27	31	1540			
1550	0.00	0.08	0.04	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.04	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	1.15	31	1550			
1560	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.48	31	1560			
1580	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.36	31	1580			
1590	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	1590			
1600	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.12	0.08	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.95	31	1600				
1610	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.00	0.00	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.79	0.04	0.00	0.00	0.00	1.11	31	1610				
1620	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N 1620				
2020	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.00	0.00	0.16	0.00	0.00	0.67	0.04	0.00	0.00	0.00	1.07	31	2020				
4270	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.12	0.08	0.00	0.00	0.00	0.00	0.00	0.79	0.04	0.00	0.00	0.00	1.27	31	4270				
4280	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.04	0.08	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	1.27	31	4280				
4290	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N 4290				
4300	0.00	0.00	0.16	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.12	0.16	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00	1.43	31	4300				
4310	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	1.11	31	4310				
4320	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N 4320				
4330	0.00	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.00	0.00	0.20	0.08	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	1.43	31	4330				
4340	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.08	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	1.03	31	4340				
4350	0.00	0.04	0.08	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.12	0.00	0.00	0.16	0.16	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0							



## **RAIN GAUGE SUMMARY FOR MONTH OF: November 2010**

**PREPARED BY:** Initials  
mf

Note: \* - indicates invalid data not included in averages or totals



## RAIN GAUGE LOCATION

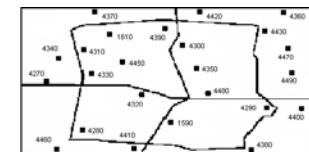
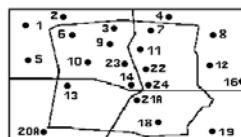
RG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	RG
1	0.00	0.00	0.00	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.02	0.00	0.00	0.00	0.00	0.21	0.27	1.36	0.18	0.00	0.00	0.04	1.14	4.12	30	1	
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	5	
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	7		
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	8		
11	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.67	0.02	0.00	0.00	0.00	0.00	0.05	0.34	1.73	0.04	0.00	0.00	0.02	1.39	4.37	30	11		
12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	12		
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	13		
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.68	0.01	0.00	0.00	0.00	0.00	0.08	0.40	1.59	0.04	0.00	0.00	0.01	1.27	4.09	30	14		
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	*	0.00	0.00	0.00	0.00	1.56	*	29	N		
18	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.64	0.00	0.00	0.00	0.01	0.00	0.00	0.13	0.47	1.72	0.05	0.00	0.00	0.01	1.27	4.38	30	18	
19	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.56	0.01	0.00	0.01	0.00	0.01	0.14	0.40	1.77	0.07	0.00	0.00	0.00	1.25	4.31	30	19		
20A	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.01	0.00	0.00	0.09	0.57	1.64	0.03	0.00	0.00	0.05	1.32	4.46	30	20A		
21A	0.00	0.00	0.00	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.68	0.01	0.00	0.00	0.00	0.00	0.09	0.46	1.74	0.05	0.00	0.00	0.02	1.26	4.44	30	21A		
22	0.00	0.00	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.37	1.62	0.04	0.00	0.00	0.02	1.27	4.36	30	22		
23	0.00	0.00	0.06	0.01	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.03	0.24	1.05	0.01	0.00	0.00	0.00	0.79	2.77	30	23			
24	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.68	0.01	0.00	0.00	0.01	0.00	0.08	0.41	1.67	0.04	0.00	0.00	0.01	1.28	4.31	30	24		
25	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.54	0.00	0.00	0.00	0.00	0.09	0.34	1.08	0.04	0.00	0.00	0.00	0.83	2.93	30	25			
26	0.00	0.00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	22	N		
27	0.00	0.00	0.00	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.75	0.01	0.00	0.00	0.00	0.00	0.06	0.38	1.65	0.04	0.00	0.00	0.01	1.33	4.36	30	27		
1420	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.12	*	30	N	1420			
1480	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.12	0.00	0.04	0.00	0.00	0.12	0.00	1.18	0.00	0.00	0.00	0.00	0.79	2.33	30	1480		
1500	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.04	0.00	0.00	0.00	0.00	0.00	0.12	1.54	0.16	0.00	0.00	0.04	1.22	3.67	30	1500		
1510	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.08	0.00	0.00	0.00	0.00	0.63	0.12	0.00	0.00	0.00	1.07	2.18	30	1510			
1520	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	1520		
1540	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.24	0.12	1.85	0.00	0.00	0.00	0.00	0.71	3.63	30	1540		
1550	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.16	0.16	2.01	0.04	0.00	0.00	0.00	1.14	4.14	30	1550		
1560	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.04	0.00	0.00	0.00	0.00	0.16	0.12	0.99	0.04	0.00	0.00	0.00	0.51	2.26	30	1560		
1580	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.08	0.32	30	1580			
1590	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	1590		
1600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.12	0.36	1.30	0.00	0.00	0.00	0.08	0.91	3.48	30	1600		
1610	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.16	0.04	0.00	0.00	0.00	0.00	0.16	0.08	0.87	0.00	0.00	0.00	0.00	1.22	2.73	30	1610			
1620	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	1620		
2020	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.12	0.00	0.00	0.00	0.00	0.00	0.71	1.18	0.00	0.00	0.00	0.12	1.06	3.90	30	2020		
4270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.12	0.00	0.00	0.00	0.00	0.04	0.43	1.10	0.00	0.00	0.00	0.04	1.18	3.54	30	4270		
4280	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.04	0.00	0.00	0.00	0.00	0.08	0.47	0.00	0.00	0.00	0.00	1.22	2.48	30	4280			
4290	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	4290		
4300	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.04	0.00	0.00	0.00	0.00	0.12	0.28	1.22	0.00	0.00	0.00	0.00	1.22	3.67	30	4300		
4310	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.12	0.00	0.00	0.00	0.00	0.04	0.28	1.10	0.00	0.00	0.00	0.04	1.82	4.11	30	4310		
4320	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	4320		
4330	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.08	0.00	0.00	0.00	0.00	0.28	1.10	0.00	0.00	0.00	0.04	1.22	3.31	30	4330		
4340	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.04	0.28	1.18	0.00	0.00	0.00	0.04	1.10	3.27	30	4340		
4350	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.08	0.32	1.30	0.00	0.00	0.00	0.04	1.26	3.79	30	4350		
4360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.04	0.20	1.38	0.00	0.00	0.00	0.00	1.34	3.79	30	4360		
4370	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.08	0.00	0.00	0.00	0.00	0.04	0.20	1.20	0.30	0.00	0.00	0.04	1.18	3.67	30	4370		
4380	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	4380		
4390	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.04	0.00	0.00	0.00	0.00	0.16	0.16	1.30	0.00	0.00	0.00	0.00	1.30	3.75	30	4390		
4400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.59	0.04	0.00	0.00	0.00	0.00	0.04	0.43	1.54	0.00	0.00	0.00	0.04	1.46	4.10	30	4400		
4410	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.08	0.51	1.26	0.00	0.00	0.00	0.04	1.18	3.58	30	4410		
4420	0.00	0.00	0.00	0.00																												

CITY OF COLUMBUS  
DIVISION OF  
SEWERAGE AND DRAINAGE

RAIN GAUGE SUMMARY FOR MONTH OF: December 2010

PREPARED BY: Initials  
mf

Note: \* - indicates invalid data not included in averages or totals



RAIN GAUGE LOCATION

RG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	RG
1	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.12	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.81	31	1	
5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	5
7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	7	
8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	8	
11	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.13	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.92	31	11		
12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	12	
13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	13	
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.78	31	14		
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.88	31	16		
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.51	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.89	31	18			
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.42	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.18	0.00	0.77	31	19			
20A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.14	0.47	0.00	0.00	0.07	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.93	31	20A			
21A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.10	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.01	0.83	31	21A			
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.86	31	22			
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.34	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.53	31	23			
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.12	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.20	0.01	0.94	31	24			
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.53	31	25			
26	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.11	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.87	31	26			
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.12	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.89	31	27			
1420	0.00	0.00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.12	*	4	N	1420
1480	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.64	31	1480			
1500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.56	31	1500			
1510	0.00	0.00	0.04	0.00	0.08	0.00	0.00	0.08	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.08	0.60	31	1510			
1520	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1520	
1540	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.40	31	1540			
1550	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.67	31	1550			
1560	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.32	31	1560			
1580	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.16	31	1580			
1590	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1590	
1600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.36	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.68	31	1600			
1610	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.75	31	1610			
1620	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	1620	
2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.43	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.91	31	2020			
4270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.39	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.79	31	4270			
4280	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.55	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.83	31	4280			
4290	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4290	
4300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.71	31	4310			
4310	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.39	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.71	31	4310			
4320	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	N	4320	
4330	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.43	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.04	0.71	31	4330			
4340	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.56	31	4340			
4350	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.55	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.87	31	4350			
4360	0.0																																

## Appendix D

### Annual Summary of Dry Weather Overflows

City of Columbus  
Annual Summary of Dry Weather Overflows - 2010

Location	Reference Number	Estimated Date and Time - if known						Receiving Water - if any	Sewer Component	Cause	Reduction/Elimination/Prevention
2480 Jackson Pike	between 107s0027 and 107s0026		1/7	9:25	to	1/7	10:25	Whims Ditch	manhole	blockage - muck	daily inspection and cleaning as needed until new sewer tap can be built
MH alley n/o Sullivant Ave. e/o Roys Ave.	254	discovered	1/14	10:00	to	1/14	10:40	Early Ditch	Design Relief	blockage - unknown	clean sewer
1627 Shanley Drive	between 300s0255 and 300s0253		2/16	14:05	to	2/16	17:05	N/A	manhole	blockage - unknown	clean sewer
Wakeford Street and Jasonway Avenue	between 296s0470 and 296s0469		2/28	11:15	to	2/28	12:40	unnamed ditch	manhole	blockage - unknown	clean sewer
North 4th Street and Mount Vernon Avenue	between 0003s0436 and 0003s0429		3/2	15:45	to	3/2	19:30	N/A	manhole	blockage - sewer collapse	repair sewer
2480 Jackson Pike	between 107s0027 and 107s0028		3/5	10:00	to	3/5	10:25	N/A	manhole	blockage - rags and debris	clean sewer - monitor facility operations
North Roosevelt Avenue Between Bellwood and Maryland Avenues	between 94s0124 and 94s0123		3/6	18:35	to	3/6	22:05	N/A	sump pumps	blockage - roots and grease	clean sewer
Rhodes Park and Holton Park	between 0046s0427 and 0046s1028		4/1	10:20	to	4/1	12:40	Dry Run	manhole	blockage - vandalism	clean sewer - seal manhole lid
1660 Smith Road	between 0037s0301 and 0037s298	discovered	4/1					N/A	manhole	blockage - debris	clean sewer
r/o 2580 Ferris Park Drive North	between 301s0002 and 301s0003		4/11	13:10	to	4/11	16:55	N/A	manhole	blockage - debris	clean sewer
MH Hague Ave. n/o Mound St.	250	at least once between	4/8		to	4/15		N/A	Design Relief	blockage - debris	clean sewer
2480 Jackson Pike	between 0107s0027 and 0107s0028		5/12	9:10	to	5/12	9:45	N/A	manhole	blockage - debris	clean sewer
2480 Jackson Pike	between 0107s0027 and 0107s0028		5/17	9:20	to	5/17	10:00	N/A	manhole	blockage - debris	clean sewer
2480 Jackson Pike	between 0107s0027 and 0107s0028		5/21	13:35	to	5/21	14:25	N/A	manhole	blockage - debris	clean sewer
Leonard Avenue and St. Clair Avenue	between 0013s0169 and 0013s0167		5/18	17:40	to	5/18	21:30	N/A	manhole	blockage - debris	clean sewer
333 Outerbelt Street	between 0388s0011 and 0388s0010		6/2	11:45	to	6/2	12:40	N/A	manhole	blockage - grease	clean sewer - referred to Industrial Pretreatment Program
2480 Jackson Pike	between 0107s0027 and 0107s0028		6/4	9:30	to	6/4	10:40	N/A	manhole	blockage - debris	clean sewer
Cleveland Avenue and Belcher Drive	between 0301s0901 and 0301s0149		6/4	18:20	to	6/4	21:40	unnamed creek n/o Ferris Park	manhole	blockage - debris	clean sewer
2480 Jackson Pike	between 0107s0027 and 0107s0028		6/10	9:30	to	6/10	11:00	N/A	manhole	blockage - debris	clean sewer
2480 Jackson Pike	between 0107s0027 and 0107s0028		7/20	12:00	to	7/20	12:45	N/A	manhole	blockage - debris	clean sewer
2480 Jackson Pike	between 0107s0027 and 0107s0028		9/13	15:30	to	9/13	17:45	N/A	manhole	blockage - debris	clean sewer
2480 Jackson Pike	between 0107s0027 and 0107s0028		9/22	13:35	to	9/22	14:40	N/A	manhole	blockage - debris	clean sewer
2730 Brandy Drive	between 252s0214 and 252s0215		9/29	19:25	to	9/29	21:00	Big Walnut Creek	manhole	blockage - grease and debris	clean sewer, referred to Industrial Pretreatment Section
2480 Jackson Pike	between 0107s0027 and 0107s0028		10/19	14:20	to	10/19	14:30	N/A	manhole	blockage - debris	clean sewer
2824 Brownlee Avenue	between 0097s0374 and 0097s0372		10/23	12:35	to	10/23	14:00	Bliss Run	sump pump	blockage - grease	clean sewer, referred to Industrial Pretreatment Section
998 Hillery Road	between 453s0304 and 453s0303		10/27	13:05	to	10/27	14:30	unnamed lake	sump pump	blockage - roots	clean sewer
2480 Jackson Pike	between 0107s0027 and 0107s0028		11/23	13:10	to	11/23	14:25	N/A	manhole	blockage - debris	clean sewer
904 Scott Road	between 0021s0115 and 0021s0116		12/12	10:45	to	12/12	14:45	N/A	manhole	blockage - grease	clean sewer
MH Bruck Street and Reeb Avenue	206		12/28	10:10	to	12/28	10:45	Scioto River	Design Relief	blockage - debris	clean sewer

## Appendix E

### Summary of Flow Monitored Overflow Events Greater Than 1000 Gallons

**City of Columbus**  
**Summary of Flow Monitored Overflow Events**  
**Greater than 1000 Gallons - 2010**

Location	Reference Number	Date	Estimated Volume (mg)	Sewer Sub-Basin
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	1/24	0.914	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	1/24	1.337	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	1/24	0.004	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	1/25	0.014	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	2/22	0.497	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	2/23	0.126	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	3/13	6.606	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	3/14	3.973	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	3/25	1.199	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	3/26	2.453	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	3/26	0.374	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	4/5	0.072	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	4/25	0.402	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	4/26	1.465	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	5/11	1.277	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	5/21	0.244	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	5/22	0.777	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/2	0.56	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/3	1.12	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/5	1.677	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/6	1.454	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/6	0.614	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/9	1.106	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/9	3.375	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/11	0.571	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/26	1.263	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/27	1.546	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/27	1.899	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	6/28	0.674	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	7/8	0.01	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	7/9	0.055	OSIS
e/o Whittier St. Storm Tanks (Deshler Tunnel/Franklin Main)	83	7/16	0.07	OSIS
Gauging station in Park of Roses	335	6/2	0.004	OSIS

## Appendix F

### Summary of Flow Monitored Overflow Events Less Than 1000 Gallons

City of Columbus  
Summary of Flow Monitored Overflow Events  
Less than 1000 Gallons - 2010

Location	Reference Number	Number of Events	Sewer Sub-Basin
no flow monitored overflow events met this criteria in 2010			

## Appendix G

### Summary of Stipulated Penalties

City of Columbus  
Summary of Stipulated Penalties - 2010

SSO Type	# of Events	Penalty	Total
Wet Weather Overflows	152	\$2,500 *	\$2,500
Dry Weather Overflows	29	\$1,500 each	<u><u>\$43,500</u></u>
Total			\$46,000 **

\* 1 to 250 wet weather events / yr.                            \$2,500  
  251 to 500 wet weather events / yr.                        \$12,500  
  over 500 wet weather events / yr.                        \$20,000

\*\* stipulated penalty will be added to existing SEP fund per prior agreement